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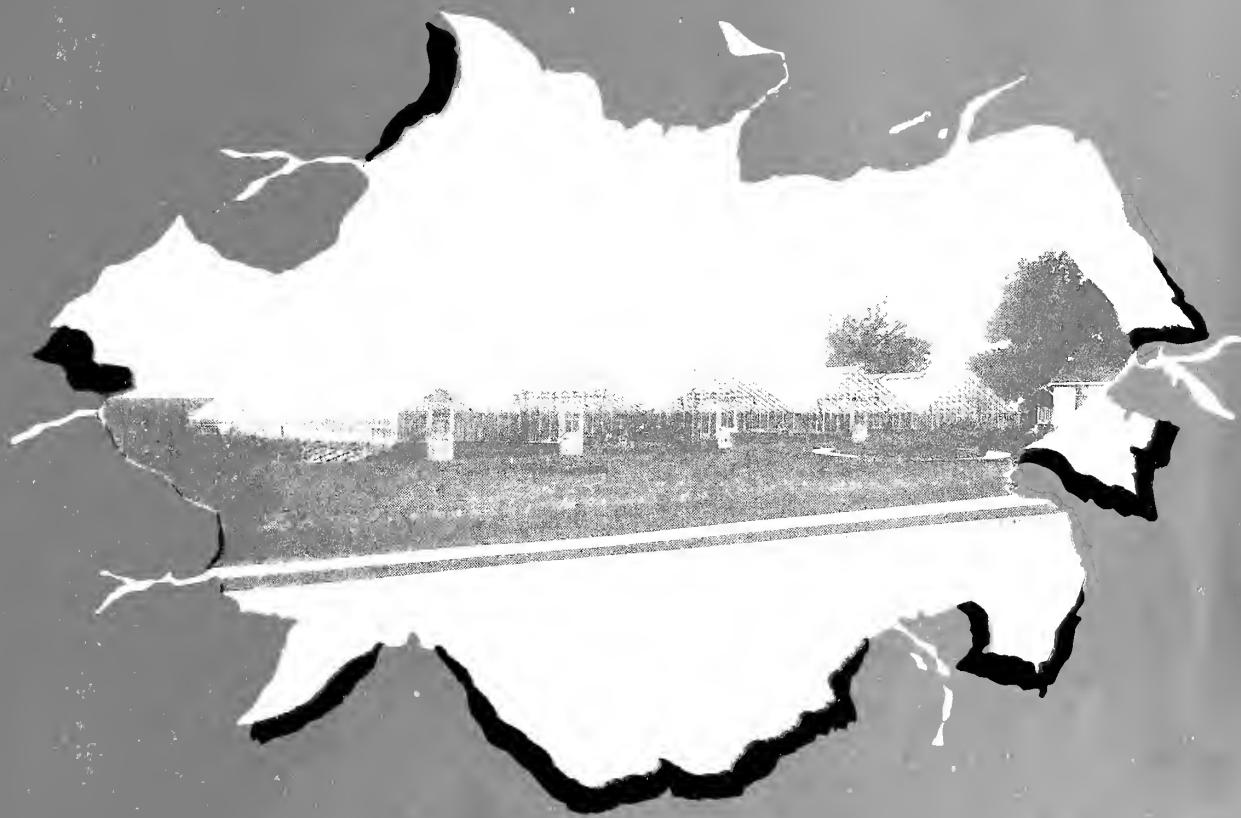


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FIFTY-THIRD ANNUAL EDITION

C. Young & Sons Co.
1406 OLIVE ST.

PLANTS, SEEDS AND CUT FLOWERS
ST. LOUIS, MO.



1918

SPRING GARDEN BOOK

SUGGESTIONS TO CUSTOMERS IN ORDERING FROM THIS CATALOG

A READING OF THE FOLLOWING WILL PROVE AN AID TO YOU AND TO US

Early Orders—Our rush season comes in the months of March and April. Orders sent at once secure prompt shipment from our full stocks.

How to Order—**Write your name**, postoffice, state and express office plainly with black ink, on every order, and every time you write to us. Give plain express, mail or freight directions; where none are given, we route the same at buyer's risk.

Use Order Sheets—The use of our order sheets enclosed in this catalogue is a great help to us in facilitating filling and shipment of orders. One order sheet is for seeds and bulbs, the other for plants, shrubs and trees. Instructions for use are on the sheets. More will be sent on receipt of a postal asking for same.

Keep a Copy of Your Order—Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with other goods or notice sent.

Mistakes—These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Orders are Promptly Filled—Or in case of delay, notified by postal card. If you do not hear from an order sent us, within a reasonable time, send us a duplicate order covering date of order, amount of same and form of remittance, your name and full address. If you cover these points in your first letter, a long delay is often saved in tracing.

Plant, Tree and Small Fruit Orders Must Amount to \$1.—We cannot afford to fill orders of less amount than one dollar, unless in addition to the amount for plants wanted ten cents is sent. **This does not apply to Seed Orders.**

How to Send Money—Never send loose silver unless it is well-wrapped in heavy paper, and then it must come at your risk. The best way is to use a Post-Office or Express Money-Order, Bank Draft, or if you reside within 100 miles of St. Louis, your personal check will be acceptable. Stamps up to amounts of \$1 accepted, also.

Free Delivery—On small quantities of vegetable and flower seeds, our prices cover free delivery by mail or express. This applies to all seeds by the packet, ounce or quarter-pound, and to peas, beans and corn by the pint or quart.

When to Order—We are prepared to ship all orders immediately, except some varieties of plants which are not seasonable in the early part of our shipping season. If you desire we will hold these for shipment at the proper time. Please advise us in regard to this.

Free Packing—We make no charges for boxes, sacks, barrels or packing.

Ship by Express Where Possible.—Plants travel better and we can leave more soil on the roots than if they go by mail. Where it is not feasible to send by express, parcel-post offers us an opportunity to reach you anywhere you live.

Disclaimer—While we exercise extreme care in the filling of all orders for seeds, bulbs, and plants, they are, after being put into the ground, subject to climatic conditions over which we have no control; therefore, C. Young & Sons Co. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be refused.

A Word About Express Charges—Some florists are offering to prepay express charges on certain orders, but when so sent the soil is removed from the roots of the plants, and they are packed the same as for mail, the cost for sending being no more than it would be if the plants were sent by United States mail. All plants that we send by express, charges to be paid by purchaser, are packed with a ball of soil on the roots, thus insuring their uninterrupted growth when received. We pack as light as possible consistent with safety.

Discontinuing Acknowledgment of Orders

Owing to the advance in the postal rates of post cards this year, we shall discontinue the acknowledgment of all orders that we are able to fill the same day the order is received. This will apply mostly to seed orders as they are filled and mailed to the customer the same day their order is received by us. Plant orders where we are unable to fill as promptly as Seed orders will be acknowledged and all shipments that are sent by express a notification will be sent to the party to whom the shipment is directed, so they may call for the shipment and in this way avoid any shipments being held up in the express offices longer than is necessary.

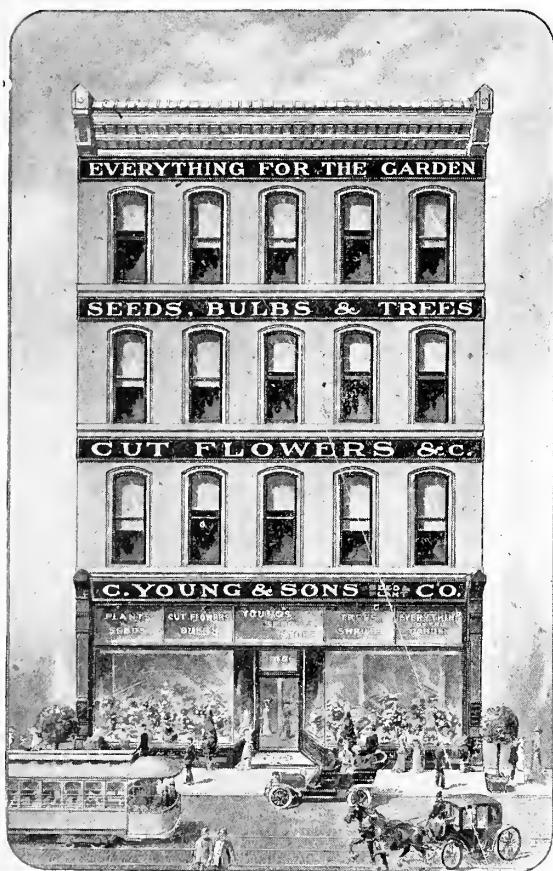
DISCOUNTS ON FLOWER AND VEGETABLE SEEDS IN PACKAGES ONLY

On all orders for seeds in packets, you may select 25 cts. worth extra for each \$1 sent us. Thus, if you send an order for \$1, you may select seeds in packets amounting to \$1.25; for \$2, seeds in packets to the value of \$2.50; and so on.

Established
1865
Incorpo-
rated 1887

Fifty-three Years in Business

Capital
Stock
Paid Up
\$10,000



View of Seed Store, 1406 Olive St.

ST. LOUIS, MO.

TO OUR FRIENDS AND PATRONS:



HIS page is our means of expressing our gratitude and appreciation for your many past and continued favors which has made possible the rapid growth and development of our Company during the past 53 years.

Owing to the great demand for our Seeds and Plants during the past year, we were compelled to erect another Greenhouse to be prepared to fill the great increase of orders which we are looking forward to receive this season. The war in which we are now engaged, and owing to the failure of a great many crops in Europe, is the cause of quite a shortage of Seeds, but we wish to advise you that our stock of Seeds, consisting of both Vegetable and Flower Seeds, was never before of a higher quality or a larger quantity. We would urge you therefore to place your order early, which we assure you will have our usual prompt and careful attention.

Awaiting with pleasure the opportunity of serving you, we beg to remain,

Faithfully yours,

C. YOUNG & SONS SEED AND PLANT CO.



A part of our Greenhouses at Olive and Price Roads. These houses are 25 feet wide and 100 feet long, of concrete and steel-frame construction.

PARCEL POST—Heretofore the limit of weight of a package of mailable plants, bulbs and seeds has been four pounds. The newly established system of parcels post simply gives the added privileges of transferring through the mails packages of mailable plants, bulbs, seeds, etc., of weight up to twenty pounds. Do not construe this to mean, however, that the increased size of packages allows carrying express size plants. It only permits of sending you larger orders of mailable plants. Don't request blooming plants with soil attached to roots sent by parcel post. It can't be done.

NOTICE—The firm of C. YOUNG & SONS COMPANY is not connected with any other Company in St. Louis. All correspondence should be addressed to YOUNG'S SEED STORE or C. YOUNG & SONS COMPANY, 1406 OLIVE STREET, ST. LOUIS, MISSOURI

YOUNG'S VEGETABLE SEEDS

In our Vegetable Seed Department we have listed only such varieties as are of real merit, having rigidly excluded all sorts that are not of value, and have cut out a number of out-of-date varieties.

Cultural directions will be found at the heading of each class of vegetables, and also on most of our packets. These directions, while reliable, will not apply in every detail to the extreme sections of the United States, and therefore some allowance must be made for the difference in latitude.

We also send free to our customers, on application, a cultural leaflet—"The Vegetable Garden," which is of value to beginners.

NOTICE

On account of crop shortages and crop failures in all parts of the world, we advise our many friends to place their orders early. There will be a tremendous demand for seed in 1918 as prices have so increased on food stuffs that everyone who has a small plot of land will utilize every inch in vegetables for the home table to reduce living expenses.

America has always depended upon European Countries for thousands of tons of seed; this year some of these countries will be unable to supply a single pound. The crops hardest hit are Beans, Sweet Corn, Peas, Pepper, Salsify, Tomato, Beets, Turnips and Spinach.

MAKE YOUR GARDEN REDUCE "THE HIGH COST OF LIVING"

Prices of all food supplies have been climbing skyward for months. Stocks of canned goods especially are reported to be nearly exhausted. But "the high cost of living" can not frighten the family who has learned the gentle art of gardening.

A small garden, carefully planned and tended will furnish an abundance of fresh vegetables for the home table throughout the Summer. Also a supply of canned vegetables for Winter's use. A good garden means better living at less expense. Try it!

PLANT A HOME GARDEN NOW

Vegetables from the home garden are always the best. No market vegetables ever have the sweetness or flavor of those just gathered from your own back yard garden. You don't need to plant lots of seed; from a few feet of ground a supply of vegetables for a family can be grown. A back yard containing a small, well-cultivated vegetable garden is an ornament to a neighborhood. Be sure to plant a vegetable garden this spring.

We desire to thank our customers of past years for their many favors, and sincerely wish for you all, successful crops in 1918. This includes the flower beds, too. We are pleased to receive photographs and reports of successful gardens at all times. Let us know how your gardening efforts turn out. Yours for success,

YOUNG'S SEED STORE,

C. Young & Sons Co., Proprietor

1406 Olive Street, St. Louis, Mo.



New Asparagus—Bonvallet's Giant

ASPARAGUS

Contrary to the idea held by many people, Asparagus is one of the easiest grown, and deservedly popular of early vegetables. The tender, deliciously flavored tips appear early in the spring before many other vegetables are ready, and if kept cut they continue to form for several weeks. Enough Asparagus for the use of the average family can be grown in a small place, while one or more rows across the garden or in a field can be made very profitable as a market-crop.

Asparagus can be grown from seed very easily and will be ready for use the second or third year. The seed is sown the same as onion seed, either in good rich soil in the permanent bed or in a seed bed from which the plants can be moved after the first year. Cultivate carefully the first season, after which it practically takes care of itself.

INSTRUCTIONS FOR GROWING ASPARAGUS—We issue a special leaflet giving detailed instructions for growing Asparagus, which we will be glad to send to any one on request.

ASPARAGUS SEED

Barr's Mammoth. A well-known and popular variety which commands unusually good prices at market. Tips large, thick and tender; sometimes nearly an inch in diameter. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. 85c.

Bonvallet's Giant. With us this has proven one of the best varieties for home use or for market. A very good yielder, with purplish-green shoots, attains large size, and is of a delicious flavor. Pkt. 10c, oz. 20c, $\frac{1}{4}$ -lb. 50c.

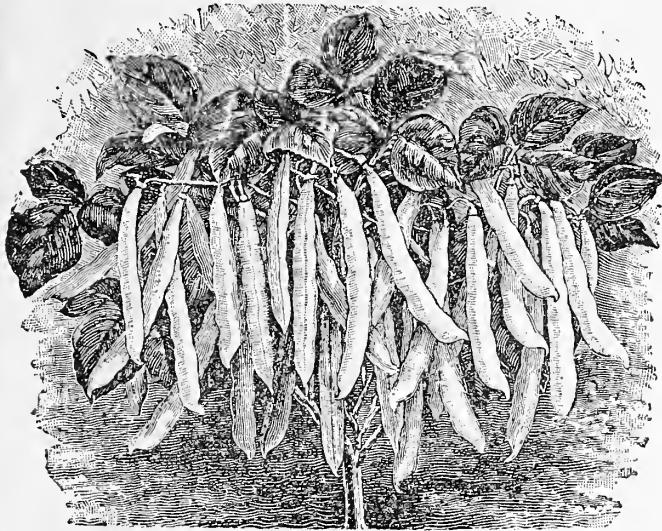
Columbian Mammoth White. The interesting feature of this variety is the fact that it produces white stalks above the ground without blanching; these are tender, of delicious flavor and of good size. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 25c, lb. 65c.

Conover's Colossal. A good standard variety, having large, delicious tips of fine quality; tender, productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 25c, lb. 65c.

Palmetto. A large, early, productive variety bearing thick, dark green shoots, distinctly pointed. A vigorous grower. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 55c.

ASPARAGUS ROOTS

We recommend the purchase of roots of Asparagus to those who want quick results. The planting of roots will save a year's time. These will be found priced on page 58 of this catalog.



Young's Improved Extra Early Valentine.

BUSH LIMA BEANS

Burpee's Bush Lima. Stout, erect plant, 18 to 20 inches high, heavily branched. Each branch is thickly set with pods containing three or four good sized beans apiece, which are of delicious flavor when cooked.

Henderson's Bush Lima. An erect grower, some 18 to 20 inches high, requiring no support. Fair-sized beans, with the true, rich, buttery Lima flavor when cooked. These mature about two weeks earlier than the Pole Lima. Price of the above Bush Lima Beans, pkt. 15c, per lb. 60c.

POLE BEANS

These require more warmth and a richer soil than the bush beans, and should not be planted until the ground is thoroughly warmed up by spring sunshine and rains. Plant in rows 3 feet apart each way, several Beans to the hill, thinning to three in a hill after they are well up.

Pole Beans are heavy bearers and continue maturing pods until late fall. They are fine for cooking in the pod or can be left to shell.

KENTUCKY WONDER OR OLD HOMESTEAD. Bears slender pods 7 or 8 inches long—pods fleshy, stringless when young, and of the finest quality.

CUT-SHORT or CORN HILL. An old variety, excellent for planting in hills of corn. Round, slender pods, well-formed, with small white Beans flecked with red. Very prolific and good.

WHITE CREASEBACK. Early green-podded variety, fine for snaps; productive; rapid grower. Pods in clusters; thick, fleshy, stringless; fine quality. Good for use as shelled Beans.

Prices of above Pole Beans, pkt. 15c, per lb. 60c.

POLE LIMA BEANS

The seed of Lima Beans rots very easily in cold, wet ground and should not be planted until after warm weather has set in. Our tests have proved the following varieties best for general planting:

Large White Lima. The regular and well-known Lima or Butter Bean. Quite early and an enormous producer, though the Beans themselves are rather small. A sure cropper and a thoroughly good, all-round variety.

King Lima. Strong grower, with large pods, often containing five or six Beans each. Of first quality, easily shelled, large and handsome. Good for home or market.

Price of above Pole Lima Beans, pkt. 15c, per lb. 60c.

CHOICE NAVY

Our stock of this well-known variety has been carefully selected and cleaned and will be found far superior to Beans commonly offered as "Navy Stock." Pkt. 10c, lb. 40c, postpaid.

BEANS, DWARF BUSH OR SNAP

1 qt. to 100 ft. of drill; 2 bus. per acre.

The following varieties of Beans are very tender and susceptible to cold. Plant about the middle of April if the season is favorable; if a succession is wanted, continue at intervals of a week or ten days until the middle of August. Plant 2 inches deep, 3 inches apart in rows, rows 2 feet apart. Cultivate when vines are entirely dry.

Please note that Beans, Corn and Peas are listed by 1 lb. and 2 lbs.; where $\frac{1}{2}$ peck, peck and bushel are given the weights for those measures are also mentioned. Customers who have been accustomed to order by measure in the past will find it equally as easy to order by weight. The various states are passing laws making it necessary to sell produce, etc., by weight.

We Pay postage on all quantities up to pounds at postpaid prices. At the express prices quoted herein purchaser pays express charges.

GREEN-PODDED BUSH VARIETIES

Burpee's Stringless Green-Pod. Very early and productive, handsome and of first quality. A fine variety to plant for successive crops; may be grown in this way until killing frost. Pods average 6 inches or over in length; round, thick and meaty, entirely stringless even at maturity.

Extra Early Red Valentine. An early green-podded variety; beans red at maturity. Matures in about forty-three days from germination. Vine erect, pods medium size, fleshy, crisp and tender.

Long Yellow Six-Weeks. A fine, early string bean. Flat light green pods, often measuring 8 inches in length; early and productive; quality the best.

Prices of above Snap Beans, pkt. 15c, per lb. 50c, postpaid.

Wax or Yellow-Podded Varieties

Young's Golden Wax. A strong grower, very vigorous and free from rust. Pods fleshy and large; rich yellow color; fine quality and entirely stringless. Plant will keep on setting and maturing new Beans until frost if the pods are kept picked off.

Improved Golden Wax. An improved strain of Golden Wax. Hardy, prolific, best quality; pods long and thick; a fine, erect grower.

Davis Kidney Wax. Very hardy and productive, with long, white, crisp, tender pods. Vine is not subject to rust. A vigorous grower, yielding pods in clusters. Beans white, unexcelled for canning or general use.

Dwarf Black Wax. A notably good bearer. Pods golden-yellow, round, brittle, of buttery flavor when cooked. A good old standard variety which should be included in every order.

Prices of above Wax Beans, pkt. 15c, per lb. 60c, postpaid.



Beans, Burpee's Dwarf Bush Lima.

GARDEN BEETS FOR TABLE USE

CULTURE.—Select a deep, rich loam and manure with well-decomposed compost. Sow in drills 14 to 16 inches apart and cover 1 inch deep. When the young plants appear thin to 4 or 5 inches apart. For early use, sow as soon as ground can be worked in the Spring; for Autumn use, about the middle of May; and for Winter use, about the 20th of June, according to variety, the long varieties requiring more time to mature than the round early kinds. When sown late, increase the quantity of seed. To preserve during Winter, cover with earth to keep from wilting. When cooking, boil new Beets one hour, and old ones two hours or more. One package plants 15 feet of drill.

Crimson Globe.—Root of medium size, very handsome globe shape, and has a remarkably smooth surface. See illustration along side. Both the skin and flesh are deep, rich red, fine grained, sweet and tender in all stages of growth. Small tap root; leaves are small, dark green.

Crosby's Egyptian.—Round, smooth, sweet and tender. One of the earliest, making it especially profitable for market.

Edmand's Improved Blood Turnip.—A fine turnip-shaped Beet; skin smooth, of a deep blood-red color. Flesh solid, keeping well. When cooked, it is sweet and tender. The roots are of a good size for market purposes, and on account of the small tops this variety can be grown thickly in the rows.

Eclipse.—An extra-early sort with round, smooth, broad red root. A rapid grower of first-class quality.

Early Blood Turnip.—Deep crimson, turnip-shaped roots; tender and sweet.

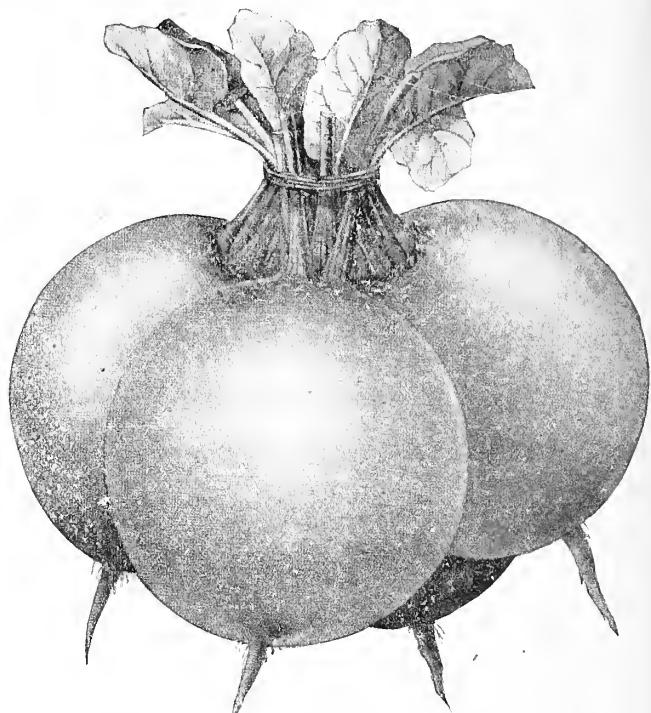
Half-Long Blood.—One of the most productive varieties we know; the roots are oblong and not of great diameter—hence they can be planted closer together. Very dark red, keeping well without getting "woody."

Table Beet Prices, pkt. 5c, oz. 15c, $\frac{1}{4}$ -lb. 40c.

Swiss Chard or Spinach Beet.—A peculiar variety of Beet, of which the leaves only are used. It does not make a large root, but the leaves are splendid "greens" when cut young, and are equally delicious when allowed to mature. The broad, white leaf-stalks or mid-ribs are cooked and served like asparagus. Produces continually from July until Fall. Can be had throughout the summer when Spinach cannot be grown. Pkt. 5c, oz. 15c; $\frac{1}{4}$ -lb. 50c.

Broccoli.—Early Large White.—Quite similar to cauliflower, but somewhat more hardy. Heads medium size, close and compact; reasonably sure header. Pkt. 10c.

Brussels Sprouts.—This interesting plant bears a stalk perhaps 2 feet high, closely covered with little buds or sprouts 1 to 2 inches in diameter, which much resemble tiny heads of cabbage. These are tender and delicious when creamed the same as cabbage. Pkt. 10c.



Crimson Globe Beet. The prettiest of all table beets.

Mangel-Wurzels.—An ever-increasing acreage is being planted to stock Beets, because of the wonderful results from feeding them. Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Sow in rows 2½ to 3 feet apart as soon as the ground can be thoroughly worked. Cover seed about 1 inch, making ground firm over the seed. When 4 inches high, thin to 8 inches apart. Six pounds sow one acre.

Mammoth Long Red.—A favorite with the farmer and dairyman; large, well-formed; blood-red color; very nutritious; a big cropper.

Golden Tankard.—Very productive and sweet; flesh yellow; tops and neck very small; easily pulled. Especially relished by sheep and cows.

Price of above Sugar Beets, Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 25c.

CAULIFLOWER

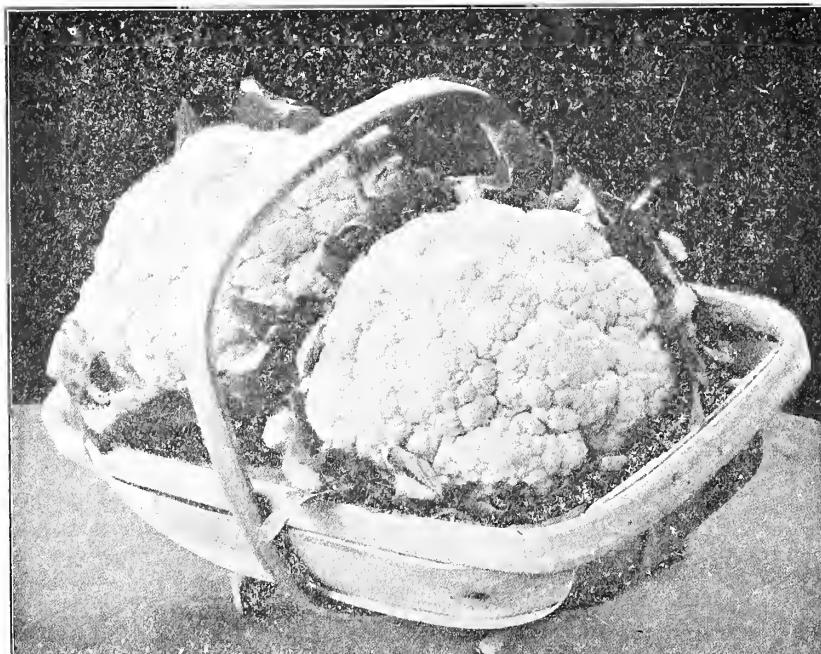
This popular and delicious vegetable commands high prices at markets, as a general rule, for the simple reason that few people try to grow it in their own gardens. Some seem to have the idea that Cauliflower is hard to grow—which is a great mistake, as the soil and cultural requirements of Cauliflower are about the same as of cabbage. In addition, it should have a cool, moist location with frequent watering in dry weather.

Early Snowball.—Extra-early, dwarf and compact. Almost always heads. Plants can be grown close together. Pkt. 15c, $\frac{1}{4}$ -oz. 65c.

Extra-Early Dwarf Erfurt.—A fine strain; plants dwarf, compact; heads good-sized, fine and stocky. A reliable header. Pkt. 15c, $\frac{1}{4}$ -oz. 50c.

Dry Weather.—A good variety to grow by those who have heretofore had trouble to succeed with Cauliflower. Matures medium-early; large heads, and is known to be a reliable header in dry locations where other varieties fail. Pkt. 15c, $\frac{1}{4}$ -oz. 50c.

For plants see page 16.



Selected Snowball

YOUNG'S SELECT CUCUMBER SEEDS

HOW TO GROW CUCUMBERS

Cucumbers should have very rich soil, the richer the better, but will do fairly well almost anywhere. Plant about as early as you would corn, and put in plenty of seed. After the bugs get through with them, thin out so as to leave each vine plenty of room. Don't crowd them. That is what makes them grow knobby, and crooked sometimes. When they begin to bear, keep them picked, as the vines will stop bearing if the cucumbers are left on. Use tobacco dust for the bugs.

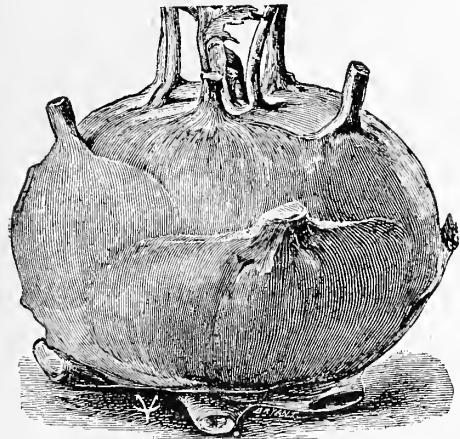
Young's Perfection White Spine. Excels in earliness, often ready for slicing when other sorts are only pickles. In purity it is unequaled. Vines are vigorous growers. The very best for slicing, and make choice pickles, straight and smooth. Pkt. 5c, oz. 20c, $\frac{1}{4}$ -lb. 40c.

Cool and Crisp. An early variety of the White Spine class. Cucumbers long, tapering and rather smooth, shading paler toward blossom end. Excellent for slicing and general use; holds its fruits for a long time. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 25c.

Nichol's Medium Green. A handsome, dark green variety with tender, crisp flesh; of medium size, straight and smooth, running very uniform. Especially good for pickling; also for slicing when mature. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c.

Livingston's Emerald. Retains its dark green color right up to maturity. The vines are vigorous and very productive, setting the young Cucumbers quite early. Crisp, tender, well-flavored; fine for slicing and, when young, for pickling. It is also highly recommended for making sweet pickles when ripe. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c.

Davis' Perfect.—It is early and very productive, bearing uniform symmetrical fruits of an attractive color. The flesh is fine-grained; one of the best for slicing. Pkt. 5c, oz. 20c, $\frac{1}{4}$ -lb. 50c.



Kohl Rabi—Earliest White Vienna

KOHL RABI, Turnip-Rooted Cabbage

This Delicious Vegetable is Justly Popular

Kohl-Rabi is grown for its turnip-shaped bulb, which is formed above ground by the expansion of the stem. The hulb should he used while young and tender, as age detracts from its good quality. They have a much sweet flavor than Turnips, and if you have never tried this most excellent vegetable, by all means do so this season and we are sure it will please you.

CULTURE. The seed should be sown in the Spring three-fourths of an inch deep in drills two feet apart. When the plants are a few inches high thin to fifteen inches apart.

EARLY WHITE VIENNA. The earliest sort, very tender, excellent for table use. Pkt. 5c, oz. 20c, $\frac{1}{4}$ -lb. 65c.

EARLY PURPLE VIENNA. Similar to above, but has flesh of purple color. Pkt. 5c, oz. 20c, $\frac{1}{4}$ -lb. 65c.

DWARF GERMAN KALE

German Green or Sprouts. The leaves are curly, bright green, very tender and delicate flavor. Pkt. 5c, oz. 20c.

ENDIVE OR GERMAN LETTUCE

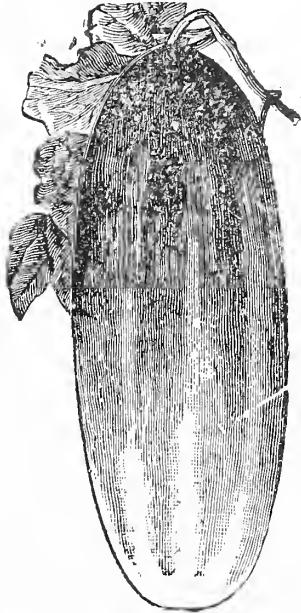
A splendid salad plant when the leaves have been properly blanched. For an early crop, sow in April in drills 15 inches apart, thinning the plants to 12 inches apart when well started. When nearly full grown, draw up the leaves and tie them. Put the tips so that the inner leaves will blanch creamy-white—which change takes place within a very short time. One ounce of seed will sow 150 feet of drill.

WHITE CURLED. Plants moderately dense. The midrib is yellow and the leaves are frequently almost white without blanching. Pkt. 5c, oz. 15c.

GREEN CURLED. Desirable for home use or market. Leaves deep green, cut and curled. Blanches easily, taking on added flavor. Pkt. 5c, oz. 15c.

TOBACCO DUST FOR THE STRIPED BUG

It's mighty poor business to sow good Cucumber seed and then let the striped bugs ruin the crop. Tobacco Dust is the best remedy we have ever found. It is a strong grade of tobacco, ground up fine like snuff—it is finer than flour and tremendously powerful. Dusted on the leaves it gets rid of the bugs in short order, while a little of it poured around the stems of each plant will drive away the borer which sometimes destroy the vines later in the season. By mail, postpaid, lb. 20c. By freight or express, at purchaser's expense, lb. 10c, 12 lbs. for \$1, 30 lbs. for \$2.



Young's Early White Spine.

Long Green Improved. A well-known old variety with few seeds; long and crisp; good for general family use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c.

Cumberland Pickle. A good, all-round sort, with fruits thickly set with tiny spines. Fine, crisp and tender right up to maturity. The vine is quite hardy and a vigorous grower, and is very prolific. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c.

Fordhook Pickle. A good, prolific bearer, producing quantities of medium-sized fruits, just the right size for pickling. The vines are vigorous and continue active growth longer than most others. This is a particularly good variety because it matures crisp, tender Cucumbers free from any toughness when pickled. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c.

Boston Pickling. A leader for pickles. Vine very productive. Cucumbers medium-sized; smooth, bright green. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c.

Gherkin or True West India. Heavy, small Cucumbers, used only for pickling. Pkt. 5c, oz. 20c, $\frac{1}{4}$ -lb. 60c.

DANDELION

Grows much larger than the ordinary wild Dandelion. The leaves are excellent for greens in the early spring. Pkt. 10c, $\frac{1}{2}$ -oz. 25c, oz. 50c.

OKRA or GUMBO

This vegetable is too little grown, as its green pods impart a fine flavor and consistency to soups and stews; the pods can also be dried for winter. It is universally used throughout the south and is as easily raised in the north. So delicious is the flavor that when once used it will be grown every year.

MAMMOTH LONG PODDED. This variety is by far the best. It is exceedingly productive and bears splendid dark green pods from 8 to 9 inches long. These shoot out from the stalks all over the plant. It does not grow hard, as the other varieties are inclined to do. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 55c.

WHITE VELVET. The pods are round and smooth and much longer, and not prickly to the touch; very productive. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 25c, lb. 55c.

DWARF GREEN PROLIFIC. Early and productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 55c.

CABBAGE

Early and Late Varieties

Our Cabbage seed is all strictly American-grown, with the exception of Danish Ball Head, which is produced for us by a reliable grower in Denmark. You can find costlier seed than this, but you cannot get any better seed at any price.

CULTURE.—The essentials are a deep, rich soil and thorough cultivation. Early sorts should be sown in the hotbed in February and March, or in open ground as soon as it is dry enough to work. Winter varieties should be sown in May or June in shallow drills 6 inches apart. When the plants are 4 inches high, transplant into richly manured ground—the early kinds 2 feet apart, the fall and winter varieties 3 feet apart. If you want the largest heads, give each plant plenty of room; if you are growing for market and prefer small heads, set plants close—but always give plenty of cultivation.

Slug Shot and **Tobacco Dust** are best for killing insects and worms on Cabbage. Our Cabbage seed packets contain about 800 seeds each.

Early Summer.—Forms large, round, solid, rather flat heads of excellent quality; tender and sweet. Average weight, 8 to 10 lbs. each; matures a week or two later than Jersey Wakefield. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.00.

Early Jersey Wakefield.—This Cabbage has long stood as the "standard first-early." Oblong-headed. The heads are solid, somewhat pointed, with few outside loose leaves. An excellent keeper and very popular. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.00.

Charleston Wakefield.—A popular variety with market gardeners in the South. About a week later than Jersey Wakefield, with larger heads which do not burst when mature, and which can accordingly be left standing in the field for sometime after they are ready for gathering. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.00.

Early York. To our knowledge this is the earliest variety in existence. The heads are rather small, and are ready before Early Wakefield or other early sorts have begun to head up. Heads solid with so few loose outside leaves that plants can be set close and will yield heavily per acre. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.00.

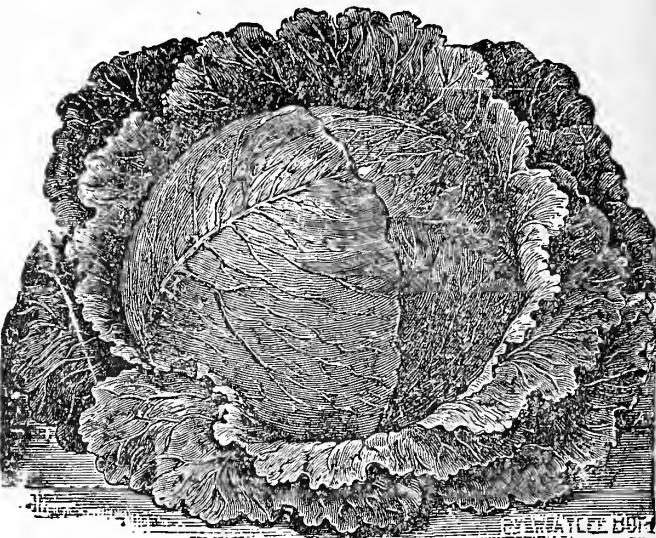


Chinese Celery Cabbage

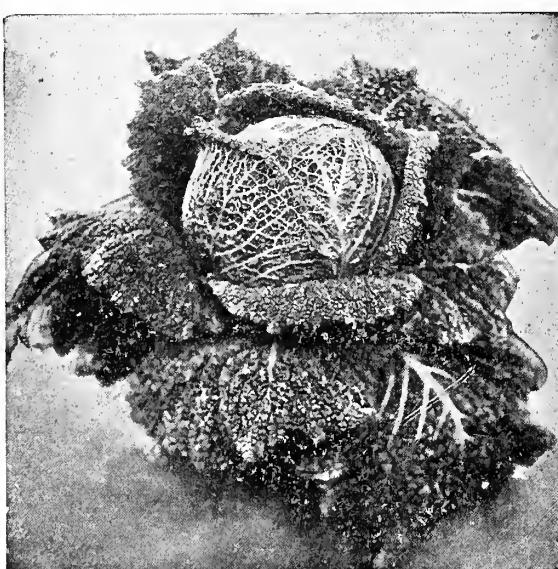
CHINESE CELERY CABBAGE

A popular new vegetable—crisp and delicious. Combines the rich celery flavor with that of the Cabbage—makes as good salad as the finest head lettuce; may be eaten raw like celery, also boiled like asparagus, and fine for cold-slaw. No Cabbage compares with it. We hope all of our customers will give this splendid novelty a trial this season, and we are sure you will be more than pleased with it.

It should be grown like a late Cabbage, planting in July turnip planting time, as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. Pkt. 10c, oz. 35c.



Early Summer



Drumhead Savoy

Drumhead Savoy.—A solid-heading variety with deeply wrinkled and curled leaves. The quality is of the best and the flavor is peculiar to this type alone. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.00.

Red Dutch.—A very solid head, fine for salads or pickling. The leaves are deep red or purple. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.00.

CORN SALAD, OR FETTICUS

Broad-leaved.—A fine salad plant often used as a substitute for lettuce or spinach. For summer use sow in drills a foot apart in spring. For spring use sow in September and "winter off" like spinach. Pkt. 5c, oz. 20c, $\frac{1}{4}$ -lb. 50c.

COLLARDS

A plant of the Cabbage family. It is well adapted to the South, enduring extreme heat; excellent for greens.

True Southern or Georgia.—Pkt. 5c.

CRESS OR PEPPER-GRASS

A well-known pungent salad; can be used alone or with lettuce. Requires to be sown thickly (covering very lightly) at frequent intervals, to keep up a succession, as it soon runs to seed.

EXTRA CURLED

(Pepper Grass)—May be cut two or three times. Pkt. 5c, oz. 10c.

VEGETABLE PLANTS

We can supply plants of Cabbage, Cauliflower, Celery, Eggplants, Lettuce, Peppers, Sweet Potatoes and Tomatoes. For varieties and prices see page 16.

CULTURE.—Celery seed is slow to germinate, and ample time must be given. Sow the first of March or April, scattering seed on the surface and rolling or pressing firmly into the soil until covered. After the leaves are well formed, pinch them off partially two or three times to promote stocky growth and better roots. Provide rich, well-worked soil.

When transplanting, lay off spaces 4 to 5 feet apart, each space accommodating three to five rows of plants 6 inches apart. Keep well cultivated all summer, and the first week in September begin drawing earth up around the plants. Continue this every two weeks until the plants are buried up to the leaves. The stalks will then blanch and become crisp and tender.

For home use, lift the plants just before frost, with as much earth as will cling to the roots, and place them in shallow boxes of earth in a dark cool cellar, for use as needed. Or bury in beds with roots well covered with earth, protecting sufficiently with straw, soil, etc., so that there will be no danger from frost. Directions for growing Celery are printed on each packet of our seed; and somewhat more elaborate information is given in a little Special Leaflet on Celery Culture, which we will gladly send free to any address.

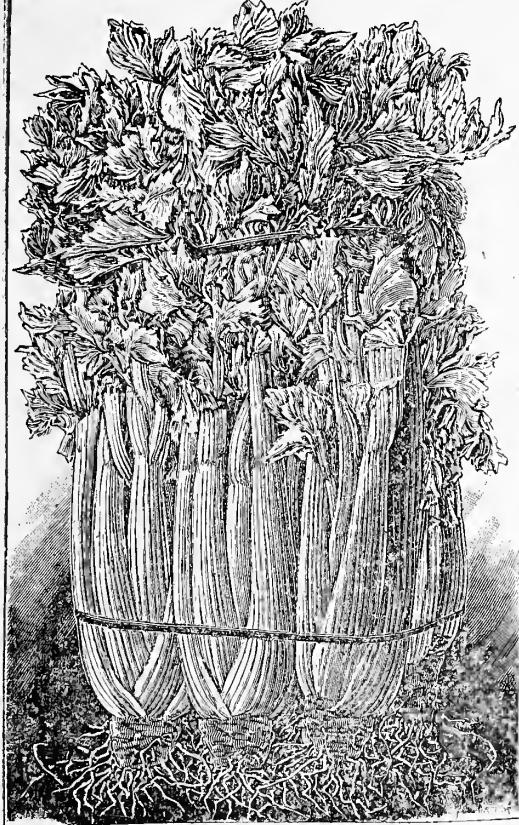
Golden Self-Blanching.—Of dwarf, compact growth with thick, solid stalks which blanch readily to a beautiful creamy-white. Requires very little earthing up to blanch crisp and hard. Very easy to grow. Pkt. 10c, oz. 40c.

White Plume.—A good, early variety somewhat similar to Golden Self-Blanching. Pure white, tender and delicately flavored. Pkt. 5c, oz. 20c.

Dwarf Golden Heart.—A good dwarf variety that keeps a long while. Large, tender heart with shapely, solid stalks. Blanches to a beautiful golden, with outer stalks so perfect that there is very little waste. Pkt. 5c, oz. 20c.

Giant White Solid.—Often grows 3 feet high; particularly good for flavoring soups, etc. Good for the South or for any warm, dry climate. Pkt. 5c, oz. 20c.

Giant Pascal.—Popular for market. Large, tall stalks of a fine, nutty flavor, free from bitter. Blanches readily and keeps splendidly. Pkt. 5c, oz. 20c.



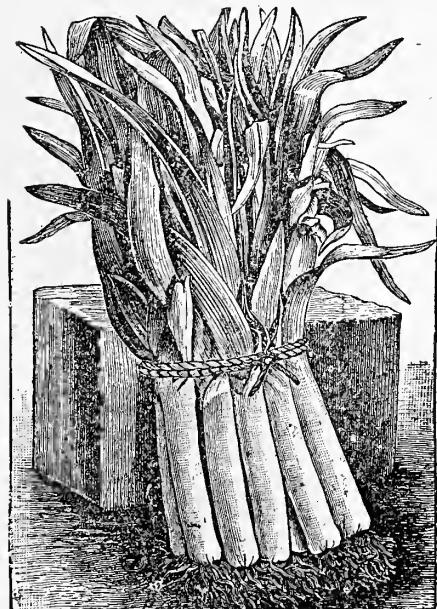
Golden Self-Blanching—Earliest and tenderest of all Celery.

CARROTS--Best Table Varieties.

The five varieties offered below are, according to the careful tests we have given a large number of varieties, the best for general use. They are tender, quick-growing and smooth, and are of a delightful flavor when cooked.

CULTURE.—Sow as early as the ground can be worked. For late crops, continue at intervals until the latter part of July. For a winter crop sow early in August. When plants are well established, thin so that they will stand 5 to 6 inches apart in the row, rows 12 to 14 inches apart. Frequent and deep hoeing between the rows is necessary. Rich, light, sandy loam is the best soil.

Early French Forcing.—Earliest of all. Largely grown for forcing purposes. Orange-red, globular roots.



Leek

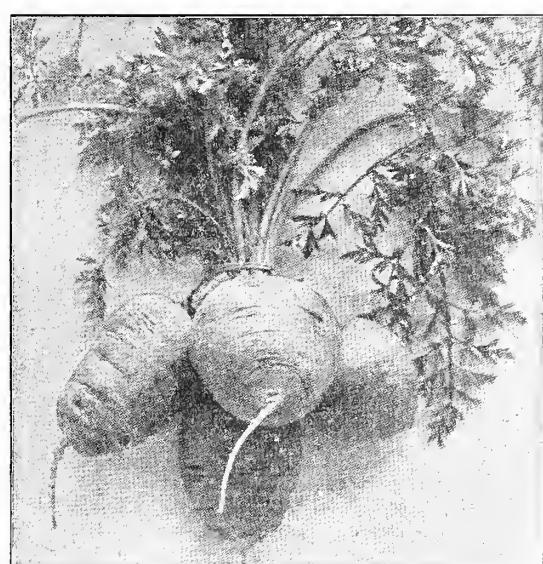
LEEK

Belongs to the onion family. Sow the seed and care for the young plants as for onions, but they need more room in order to develop. When the young plant is about the size of a goose quill, transplant to a prepared bed in rows about two or three feet apart and four or five inches in the row. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

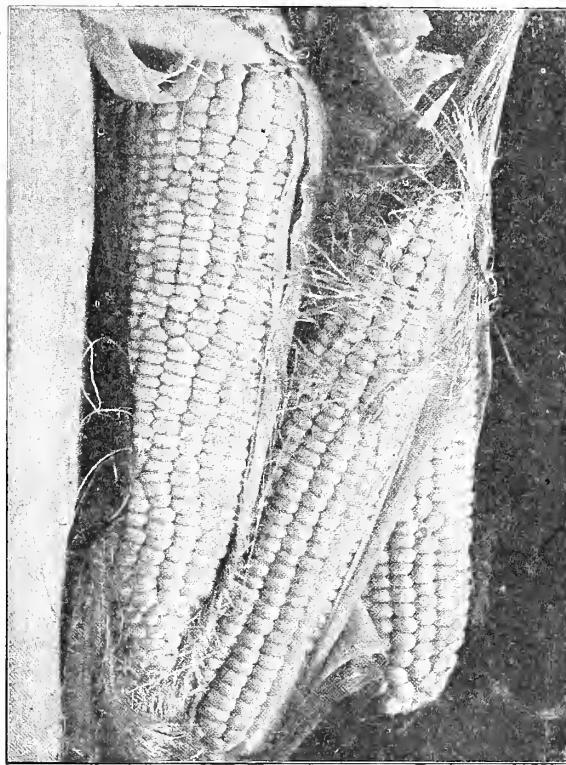
BROAD SCOTCH OR LONDON FLAG. A hardy kind; large strong plants with broad leaves. Price, pkt. 5c, oz. 20c. 3

VEGETABLE PLANTS

We can supply plants of cabbage, cauliflower, celery, egg plants, lettuce, peppers, parsley, sweet potatoes and tomatoes. For varieties and prices see page 16.



Early Short-Horn Scarlet—Most popular garden variety.



Golden Bantam Sweet Corn.

FIRST OF ALL. Reaches maturity from two to seven days sooner than Cory, and we can confidently recommend it. It produces larger ears than Cory and more to the stalk, and will prove a boon to gardeners who desire to be first in market. It may be planted quite closely, on account of the comparatively small size of the stalks. It is the earliest table corn, and brings double the price that better corns command later. Per pkt. 10c, lb. 45c.

POP CORN

White Rice.—Well-known variety; pops well. Pkt. 5c, lb. 35c, postpaid.

Queen's Golden.—Pops fluffy; creamy white grains of excellent flavor. Pkt. 5c, lb. 35c, postpaid.

CHICORY

Roots are very palatable when cooked like turnips; when dried and ground they are sometimes used as a substitute for coffee. Sow early in the spring. Thin the plants to 6 inches apart and keep well hoed. The plant is hardy and spreads from the rows. Pkt. 10c.

MUSTARD

This makes the best early greens that can be found and it is very easily grown.

For early salads sow in a slight hotbed in March, and for a general crop at intervals through the spring, in rows six to eight inches apart, and rather thickly in the rows. Cut it when two inches high.

BROWN. Stronger and more pungent than the white. Per pkt. 5c, oz. 20c.

WHITE. Best for salads and general use. Per pkt. 5c, oz. 20c.

EGG PLANT

This is a vegetable that should be more largely grown. People who have eaten it are always calling for it, as it has a rich flavor all its own that is fine. Plant and tend the same as peppers, and it is just as easy to get a crop, except that flea beetles and other insects are hard on it, but you can generally get ahead of them with tobacco dust.

The most popular and best-known variety is the New York Purple, which is very large, smooth and thornless, and dark purple. The Black Beauty is very similar to it but darker in color and not so large.

Black Beauty. Large, thick fruits, very showy in form and color. The skin is a rich glossy purple-black, uniformly colored over the fruit. Free from spines. The plant is an abundant bearer and the quality is of the best. Pkt. 10c, oz. 50c.

Improved New York Spineless. A handsome and very desirable variety, producing deep purple fruits of large size and beautiful form. Bears right up to frost. Pkt. 10c, oz. 50c.

For Plants See Page 16

Please note that Sugar Corn is listed by the pound. The various states are passing laws making it necessary to sell all seeds by weight.

SUGAR, OR SWEET CORN

CULTURE.—Plant in hills 3 feet apart each way, five to six kernels in a hill. Fertilize plentifully with well-rotted manure. Cultivate thoroughly. To have Sweet Corn in very best quality throughout the season, plant seed at frequent intervals; in this way fresh roasting ears for the table may be had right up till frost. A good test of whether sweet corn is ready to gather is to puncture the grain. If the skin breaks freely and milk issues even at the slightest puncture, then it is ready to gather.

Country Gentleman.—Recognized as the finest of all Sweet Corn for family use. The cob is small and the grains are very deep and are set irregularly instead of in uniform rows. It retains its tenderness and delicious flavor for several days after maturing. The husk is heavy, which tends to keep the ear "in the milk" for several days longer than most other varieties. Each stalk bears from three to six ears each, 8 to 9 inches long. Pkt. 10c, lb. 50c.

Burpee's Golden Bantam.—A very early Sweet Corn with golden-yellow grain, very tender and of excellent quality. The ears are eight-rowed, 6 to 7 inches long and of the medium size found most suitable for the table.

No Sweet Corn is better adapted to home garden than Golden Bantam since its slender growth requires little space and it matures in such a short season that some other crop can be raised on the same ground either before the latest planting or after removing the earliest. Pkt. 10c, lb. 50c.

Stowell's Evergreen.—The standard late variety with large ears. Grains sweet, solid and tender, remaining long in the green or milk state. Pkt. 10c, lb. 45c.

Mammoth White Cory—One of the earliest varieties, succeeding well where the seasons are short. Ears are about 6 inches long, each with eight rows of good, broad grain. Pkt. 10c, lb. 45c.

Early Metropolitan—Considered somewhat of an improvement over Stowell's Evergreen, but is earlier. The stalk is a vigorous grower with large, well-filled grains, pure white and of finest flavor. We predict that "Metropolitan" will become one of the most popular early varieties. Pkt. 10c, lb. 45c.

HOLMES' PREMO 60-DAY. This is a very fine, very early Sugar Corn; hardy and can be planted fully as early as the Early Adams and seed does not rot easily when planted early. The stalks grow about five feet high and mostly bear two well-developed ears to the stalk. It is of extra fine quality, very sweet and delicious. A good early market sort. Per pkt. 10c, lb. 45c.

KENDALL'S EARLY GIANT. A meritorious variety, the leading feature of which in addition to its earliness is the large size of ears, which are 8 to 10 inches long and from 12 to 18 rows. Pure white in color; it is very sweet and tender. Pkt. 10c, lb. 45c.



Egg Plant—Black Beauty

MUSKMELONS (Cantaloupe)

Culture.—Melons should be grown in rich soil. Sow ten to fifteen seeds to each hill which should be six feet apart each way. When well started thin out to three or four plants, leaving the strongest. One ounce will sow or plant fifty hills.

THE BEST VARIETIES.

It is really hard to say which is the best variety of muskmelons. They are all good, and it depends largely on your individual taste which one you think is the best. Some people like a yellow meated melon, while others will have nothing but a green meated melon. Some people want a great big muskmelon that they can cut in slices, while others want a little nutmeg which simply needs to be cut in halves. For that reason we have to list a big lot of varieties and let you take your choice.

Rocky Ford.—Flesh greenish white in color, very juicy and rich and good clear to the rind. It is medium in size, of round, oval form and a most excellent keeper. Pkt. 5c, oz. 15c, $\frac{1}{4}$ -lb. 40c, lb. \$1.25.

Burrell's Gem.—(Pink-meated Rocky Ford). Differs from the regular Rocky Ford in the flesh, which is pink or salmon. Pkt. 5c, oz. 15c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

HACKENSACK. A rather flat, deeply ribbed and heavily netted variety, bardsy and productive. Flesh thick, firm and green; of delicious flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

OSAGE. Fruits somewhat larger than the average; nearly round; flesh thick, firm, orange-yellow. Quality of the best. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

LONG ISLAND BEAUTY. Large fruits, deeply ribbed and closely netted; handsome and of delicious flavor. The flesh is green; fruits ripen quite early. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

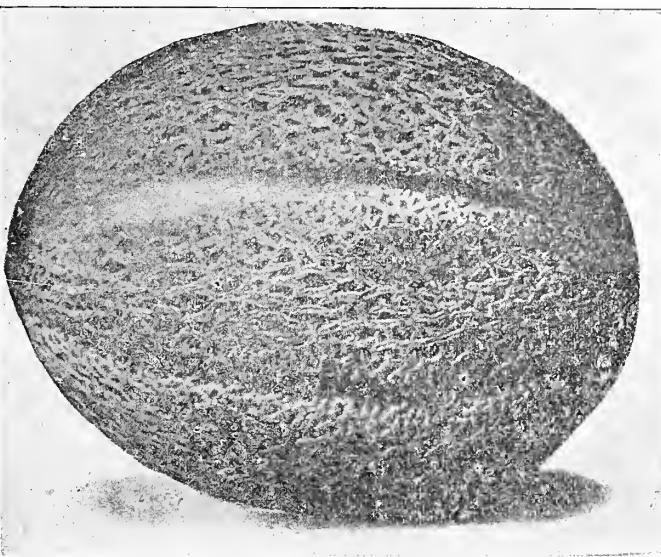
PAUL ROSE. As sweet as Osage and as finely netted and handsome as the netted Gem. Salmon fleshed, close grained; sweet and delicious. Fine shipper and keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

JENNY LIND. Supposed to be the earliest Muskmelon, of uniform size, thick skin with small seed cavity. Size small to medium; vines of vigorous growth, abundant bearers. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

EARLY NUTMEG. The old-fashioned Muskmelon; small, early and sweet; vines prolific bearers. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

EMERALD GEM. One of the sweetest melons grown; rather small, smooth and green, even when ripe. Salmon-pink flesh, thick and sweet, vines prolific bearers. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

BANANA. A long slender melon with a fragrance like bananas; sometimes 15 to 20 inches long and 4 to 6 inches through; thick salmon-pink flesh; deliciously flavored. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.



Rocky Ford Melon

WATERMELONS

CULTURE.—The same as for muskmelons, except that the plants should not be allowed to stand closer than 8 or 10 feet apart, according to their habit of growth. We offer seed grown by the producers which will certainly do well if planted in warm, mellow soil. One ounce of seed will plant about fifty hills.

TOM WATSON. An extra long melon of attractive appearance, uniform in shape and quality. The luscious crimson flesh is "as sweet as honey," melting and of superb flavor. The average melon will weigh 35 to 40 pounds and measure about 28 inches long and about 12 inches in diameter. It is very prolific, producing in greatest abundance the large, delicious fruits. We have great faith in the Tom Watson and believe it is one of the very best Watermelons ever offered. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 25c, lb. 75c.

McIVOR'S WONDERFUL SUGAR. One of the sweetest watermelons. The fruits grow large, but even at maturity, or in very wet weather, they do not burst or lose their fine flavor. The vine is productive and bardsy. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 60c.

KLECKLEY'S SWEETS. A variety of great merit. The skin is a little too thin to make it a good shipping variety, but for home use or local markets it is one of the leaders. The melons are large, oblong, with dark green skin and bright scarlet flesh; solid to the heart and of luscious flavor, ripening early. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 60c.

ICEBERG. An early melon with red flesh and white seeds; highly prized by many growers. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 70c.

LONG DIXIE. Splendid shipper; desirable on account of its great size and splendid quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 70c.

HALBERT HONEY. Splendid for home use or for local markets. Even and regular in growth, averaging 18 to 20 inches long, with dark, glossy green skin; flesh rich crimson and good close to the rind. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 70c.

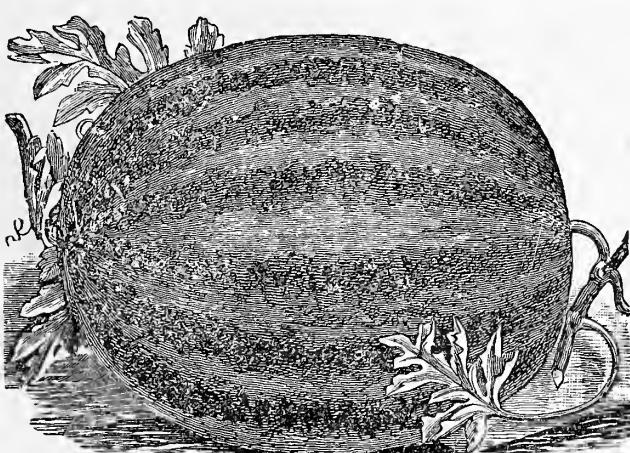
FLORIDA FAVORITE. Handsomely striped light and dark green; flesh bright crimson; ripens early and is an excellent shipper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 70c.

COLE'S EARLY. A small, early melon of good quality; well-formed and usually sells well at market. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 60c.

SWEETHEART. Large, heavy melons, with pale green skin netted with darker lines; solid, deep rich red flesh, crisp and delicious; a first-class shipper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 70c.

KOLB'S GEM. A standard sweet variety, growing quite large and thick, striped dark and light green; bright red flesh of fair quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 20c, lb. 60c.

Red Seeded Citron.—(For preserves.) This variety grows uniformly round and smooth. It has a handsomely striped and marbled skin of light green. Used only for preserves and pickles, and not for eating in the raw state. Very prolific. Pkt. 5c, oz. 15c, $\frac{1}{4}$ -lb. 35c, lb. \$1.00.



Florida Favorite Watermelon

Tobacco Dust For The Striped Bugs

The best remedy we have ever found for the striped bugs on watermelon vines is tobacco dust. This is simply a very strong grade of tobacco ground up into a fine powder like snuff. It is finer than flour and very strong. We don't know whether it kills the bugs or simply drives them away, but it sure does the business, somehow.

Also a spoonful of it piled around the stem of each plant will prevent borers which kill the vines later in the season.

Price, postpaid, 20c per lb.; by freight or express, 10c per lb., 12 lbs. for \$1.00, 30 lbs. for \$2.00, 50 lbs. or over, 5c per lb.

CHOICE ONION SEED

ABOUT QUALITY IN ONION SEED

Our seed is produced from selected bulbs and is of strictly first quality. We handle only choice American pedigreed stocks. With Onion-culture, success or failure depends largely upon the kind of seed sown. The best Onion seed is always the cheapest; we are certain that ours is as good as can be found anywhere.

CULTURE.—Provide a fine, rich soil; work deeply and cultivate absolutely free from weeds. Sow in shallow drills not less than a foot apart and thin pretty severely when the young Onions are about the size of goose quills. As the bulbs grow they will spread a good deal, so it is well to thin heavily in the first place, so they may have plenty of room.

SOUTHPORT WHITE GLOBE. A pure-white variety, forming handsome round onions with waxy, pearl white flesh; very good for use as green onions. Pkt. 10c, oz. 50c, $\frac{1}{4}$ -lb. \$2.00.

SOUTHPORT YELLOW GLOBE. Very similar to the above with brownish-yellow skin and white, crisp, fine grained flesh. A trifle smaller and a little earlier to mature than the white. Pkt. 5c, oz. 40c, $\frac{1}{4}$ -lb. \$1.50.

LARGE RED WETHERSFIELD. Very generally grown all over the country; large, most uniform, heaviest yielder and one of the best keepers of all red Onions. Of large size with deep, purplish-red skin and white flesh tinged slightly with purple. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.25.

PRIZETAKER. Large, mild and tender; one of the largest Onions grown. Its size, however, does not affect its quality, which is of the very best; we find it outsells other Onions after it becomes known. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.25.

GLOBE RED WETHERSFIELD. Handsome, dark red, roundish; averages 3 inches in diameter and 9 or 10 ounces in weight. This is a very choice strain. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.25.

YELLOW GLOBE DANVERS. Large, round Onions of a rich orange-yellow shade; flesh is white with a surprisingly mild flavor for such a large Onion. A good keeper, making it specially desirable for winter use. Pkt. 5c, oz. 35c, $\frac{1}{4}$ -lb. \$1.25.

WHITE PORTUGAL, or SILVER SKIN. Of medium size, beautiful, clear white skin; the flavor is quite mild and the Onions may be used when young for salads, pickling, etc.; they are also good for use in fall or early winter. Pkt. 10c, oz. 50c, $\frac{1}{4}$ -lb. \$1.75.

EARLY WHITE QUEEN. The small, flat white Onion, very early, tender and sweet; fine for pickling—running 1 to $1\frac{1}{2}$ inches in diameter. Pkt. 10c, oz. 40c, $\frac{1}{4}$ -lb. \$1.40.

CHOICE ONION SETS ONION SETS

All the sets we offer are "bottom sets" which are simply little Onions grown from seed planted late and thick. They are about as large as the end of one's finger and when set out in spring mature quickly into nice green Onions for bunching. Or, they may be left to form the same kind of Onions that you would get from seed—only you don't have to wait so long. When you order these bottom sets say whether you prefer the red, yellow or white. We find that the yellow ones are usually best, as they are not so likely to run up to seed.

Our Set Prices are based on the present market rates and are subject to market changes. It is impossible for us to make fixed prices. Lowest market prices on large or small quantities will be given on application at any time. **We handle Onion Sets in large quantities.** A pound of sets is equal to about a quart by measure.

White Bottom Sets.—Small, solid, beautiful silvery-white. $\frac{1}{2}$ -lb. 25c, 1 lb. 45c.

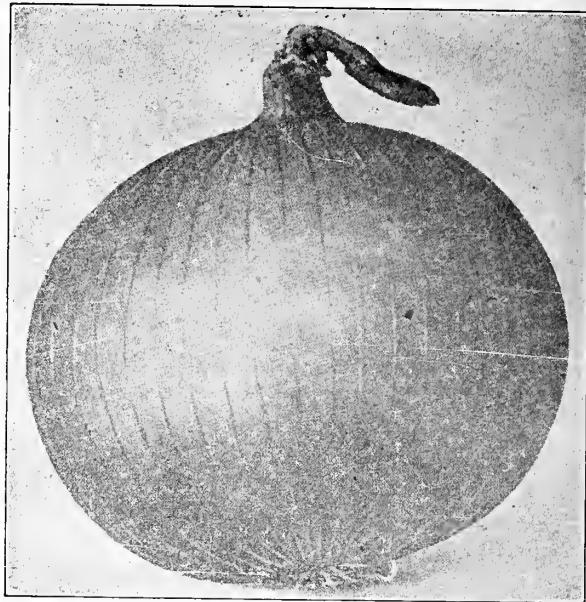
Red Bottom Sets.—Bright deep red; even and dry bulbs. $\frac{1}{2}$ -lb. 20c, 1 lb. 35c.

Yellow Bottom Sets.—Fine and dry; medium size, unsprouted. Produced from extra-choice seed. $\frac{1}{2}$ -lb. 20c, 1 lb. 35c.

WHITE MULTIPLIERS

Pure, silvery-white, enormously productive, frequently 20 bulbs in a cluster from a single bulb. Of excellent quality and size for bunching green, or can be ripened for pickling Onions. Remarkably good keeper; very early. $\frac{1}{2}$ -lb. 25c, 1-lb. 45c.

Notice.—On account of crop failure last season, Onion Seed is very short and much higher in price.



Onion—Southport Yellow Globe

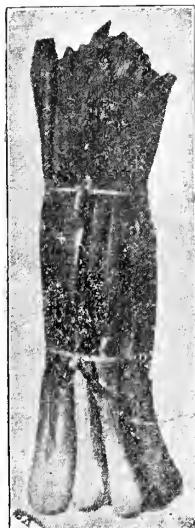
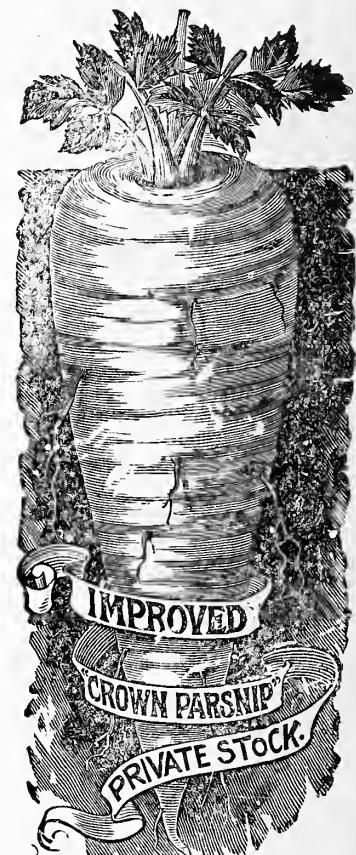
P AR S N I P

Many people have trouble to get parsnip seed to grow well. The trouble is either old seed or is planted too late. It should be planted very early, the earlier the better, while the ground is cool and moist.

Sow as early in the spring as the weather will permit, in drills 15 inches apart and half an inch deep, in rich, well-manured ground, well dug. Cultivate similar to Carrots, and thin to 6 inches apart in the rows. The roots improve by being left in the ground until spring, securing enough in pits or the cellar for Winter use. One ounce of seed to 200 feet of drill.

LARGE SUGAR, OR HOLLOW CROWN

White, smooth, sugary, excellent flavor, easily harvested. (See illustration.) Pkt. 5c; oz. 15c; $\frac{1}{4}$ -lb. 50c.



Bunch Onions Grown From Bottom Sets

GARDEN PEAS

CULTURE.—As a rule, Peas should be planted in spring while the ground is cool and moist. They never do well in hot weather, and often will not grow at all after the ground has become hot and dry. Smooth Peas, especially, should be planted as soon as the frost is out of the ground; wrinkled Peas should not be planted quite so early. Both should have fairly rich, mellow soil.

SPECIAL NOTICE.—The crop of Seed Peas is very short this season. This accounts for the high prices and we recommend early ordering to avoid disappointment.

ALASKA. The very earliest variety we know of. Grows about 2 feet high; vines set full of small pods which are all ready to come off at one picking. Pkt. 10c, lb. 50c.

EXTRA EARLY GRADUS. Large pods, nearly round and well-filled with large Peas. The quality is of the best and the Peas remain tender for some little time. The vine is very productive. Pkt. 10c, lb. 50c.

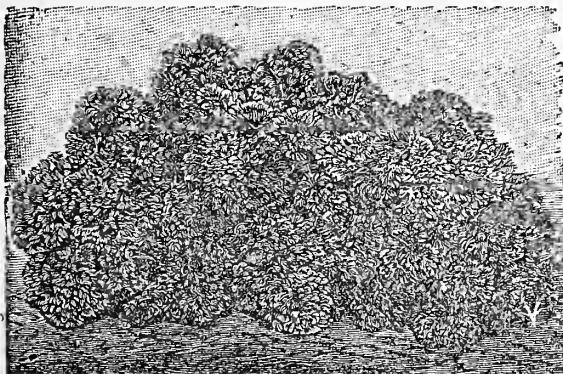
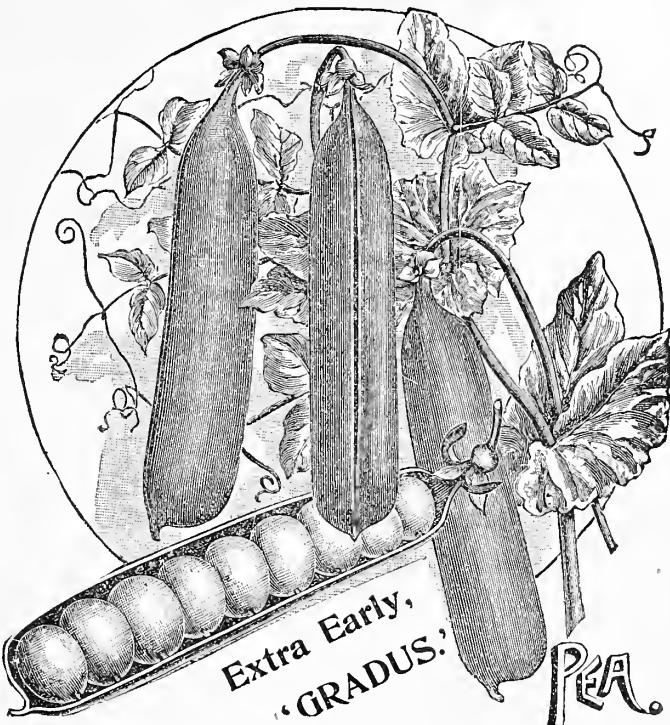
NOTT'S EXCELSIOR. A rather dwarf grower, maturing quite early. Pods about 3 inches long; well-filled throughout with large, well-flavored Peas. Quality unsurpassed. Pkt. 10c, lb. 50c.

PHILADELPHIA EXTRA-EARLY. Matures early; Peas of good quality borne in great abundance. Vine half dwarf, requiring no support except in very rich ground. Will bear all summer under favorable conditions. Pkt. 10c, lb. 50c.

AMERICAN WONDER. Fine, extra-early wrinkled variety, well suited for private gardens; very productive. Flavor and quality of the best. Vines grow about a foot high. Pkt. 10c, lb. 50c.

MCLEAN'S LITTLE GEM. A wrinkled Pea of excellent flavor, highly recommended for home-gardens. Vine dwarf, prolific; Peas ripen second-early. Pkt. 10c, lb. 50c.

CHAMPION OF ENGLAND. A grand old popular variety which "holds its own" well among the newer sorts. The vines grow medium tall and are well-covered with large, solidly filled pods of good-sized Peas which are distinguished by their tenderness and rich, marrow-like flavor. Pkt. 10c, lb. 50c.



Parsley

IMPROVED MUSHROOM SPAWN

Growing Mushrooms is comparatively easy for almost any one with a dark room or cellar where the temperature can be kept pretty steady at 50 to 70 degrees. Getting reliable spawn and starting right are two of the important essentials. Obtain good, rich soil from an old pasture and store it away. To every bushel of this add two bushels of fresh horse manure.

Mix well and prepare a bed 4 feet wide, putting down a thin layer of the mixed soil and manure, pounding it down hard and adding layers until the bed is 12 to 18 inches through. It will soon begin to heat; have a thermometer partially buried in the soil—a regular Mushroom-bed thermometer is best—and when the heat has subsided to 85 to 90 degrees, make holes a foot apart, putting in the spawn in pieces the size of a walnut; two to each hole.

Fill the holes and press the soil down solid and smooth. Let the bed remain for twelve days. Then cover with 2 inches of fresh loam and on top of this, 4 or 5 inches of hay or straw; and the work is done.

If the temperature of the room is kept steady at 50 to 70 degrees, Mushrooms will begin to appear in six to eight weeks. The bed will continue bearing from twenty to thirty days. After the first crop is gathered, spread another inch of fresh soil and cover with hay as before. The main requirements are proper and uniform temperature and rich soil. One pound of spawn is enough for a bed 2 by 6 feet.

AMERICAN, PURE CULTURE, SPAWN. Produced by the new grafting process, from selected and most prolific varieties, has never failed to run. Per Brick 35c, 5 for \$1.50, by mail, postpaid. By express, at buyer's expense, per Brick 25c, 5 bricks \$1.00, 10 Bricks \$1.85.

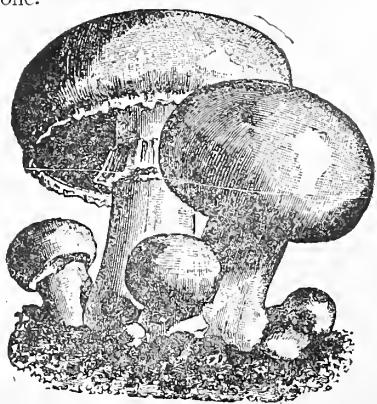
Leaflet on the culture of Mushrooms sent free on request.

SORREL

Leaves cooked like spinach.

CULTURE.—Sow in drills early in spring and thin to 6 to 8 inches apart in row. The first leaves are ready to cut in about two months and plants will continue putting out new leaves for three or four years.

Large-leaved French.—Fine quality. Pkt. 5c.



LETTUCE

Lettuce is something that is found in every garden, and that everyone is fond of, at least in the early spring. It can be grown in any old corner, but does best in rich, warm soil. Plant very early, the earlier the better, and don't get it too thick. If you want good-sized heads, it ought to be thinned to several inches apart each way.

Probably the most popular variety of all for early use is the Simpson, or, as it is generally called, Black-seeded Simpson. It does not make a true head, but a loose fluffy bunch of tender, light green or creamy leaves. Delicate flavor and grows very thickly.

If you prefer a smooth-leaved, or as some people call them, cabbage-leaved variety of Lettuce that is extra early, you should use **California Cream Butter**. It is the earliest and tenderest of the cabbage-head varieties; and if well tended on rich ground will make a true head almost as solid as a cabbage head. The outer leaves are light green, slightly tinged with brown and the inner leaves creamy yellow. Fine, rich, buttery flavor.

The following varieties listed are all standard varieties.

Paris White Cos. Of upright growth, with long, narrow leaves which should be tied up to blanch a week before cutting. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

Salamander. A standard summer variety, forming a good-sized compact head. Light green outside, white inside. Will stand a good deal of hot, dry weather without burning or running to seed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

California Cream Butter. Round, solid, crisp heads, of a rich, buttery flavor. Extra early. One of the best summer varieties. Pkt. 5c; oz. 15c; $\frac{1}{4}$ -lb. 30c; lb. \$1.00.

RHUBARB



The Ever-bearing Crimson Winter Rhubarb

THE EVER-BEARING CRIMSON

This vegetable was introduced by Luther Burbank, of Santa Rosa, Cal., and claims it to be literally ever-bearing. The flavor is delightful, quite different from the common Rhubarb. It is fine grained, requires no stringing, so there is no waste and requires less sugar than the older variety. The color is beautiful when properly cooked and makes a most inviting dish.

We offer this in roots only, which should be planted with the crown above the surface. Plants freshly set out should have but one crown; if they have more, they divide the strength of the roots and give only small crowns. They should be planted from February to July. The plants should be set out $2\frac{1}{2}$ feet apart, 6 feet between the rows, and thrive best in a well-drained, rich, sandy loam, and needs no fertilizer. (See cut.) Price, Large Roots 35c each, 3 for \$1.00 postpaid.

VEGETABLE PLANTS

We can supply plants of Cabbage, Celery, Cauliflower, Egg Plants, Peppers, Sweet Potatoes, Parsley and Tomatoes. For varieties and prices see page 16.



California Cream Butter.

Simpson. Good early sort. Forms a loose, fluffy bunch of light green or creamy yellow leaves. A quick grower, with a rich, buttery flavor. We consider this and the Hanson as our leaders. Pkt. 5c, oz. 15c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

Hanson. Our best seller. Although heads grow to an enormous size, the quality equals the very best. Sweet, tender and crisp; free from brittleness. Not recommended for forcing, but splendid for outdoor cultivation, if grown in rich soil. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

Grand Rapids. Great for growing under glass. A quick, strong grower not subject to rot; very handsome. Does not wilt readily. Of upright growth and can be planted close together. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

Iceberg. A very beautiful sort with large, curly leaves; light green tinged with red at the edges; crisp and of fine flavor. Heads solid and well blanched. Free from tendency to burst. Pkt. 5c, oz. 15c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

Boston Market. When quickly grown, this is a very well-flavored variety. Heads compact, light green, slightly tinged with brown; rich, buttery flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

St. Louis Market. Unexcelled among the head Lettuces. Equally good for winter forcing and late summer planting. In fact, it is a first-class all-the-year-round variety. Heads large and solid; crisp and buttery. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

Early Prize Head. A mammoth plant producing a loose cluster of bright green leaves tinged with bronze. The flavor is excellent and even the outer leaves are crisp and tender. Pkt. 5c, oz. 15c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

Early Cabbage, or White Butter. One of the best of the summer varieties. A good header of fair size. Leaves crisp and of first-class flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ -lb. 30c, lb. \$1.00.

RHUBARB OR PIE PLANT

Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the Spring, in rows 1 foot apart; the second year after planting plants can be removed in Autumn to the permanent place in the garden allotted to them. Plant the roots 2 feet apart each way. **One ounce of seed gives 500 plants.**

Victoria.—In general use for market and home garden. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Rhubarb Roots are offered on page 58.

THE BEST PEPPERS

Peppers should be started in the house or hotbed and handled about like tomatoes. They seem to do well in almost any soil except that which is too low and wet. Give the plants plenty of room in the row for best results. The seed seldom comes well planted out-of-doors. They need lots of heat and should be started in a hotbed or greenhouse.

SPECIAL NOTICE. After May 1st, we can furnish Pot-Grown Pepper Plants. For prices see page 16.

NEW PIMENTO

This pepper is absolutely without pungency. The handsomest fruit is thick fleshed and firm. A heavy cropper. It should be grown largely in the family garden, because it is delicious with salads or stuffed, and a healthy food to eat when ripe as you would eat an apple. Every home garden should have a row of this Pimiento. For salad, parboil it to remove the skin. Stuffed and baked it is far superior to all other peppers. Pkt. 10c.

CHINESE GIANT. An extremely large, sweet pepper, deep scarlet in color when mature and only a trifle later than Ruby King. Plants about two feet high, strong, vigorous and productive. Fruits similar in color and shape to large Bell or Bull Nose, but more than twice as large. Pkt. 10c, oz. 75c.

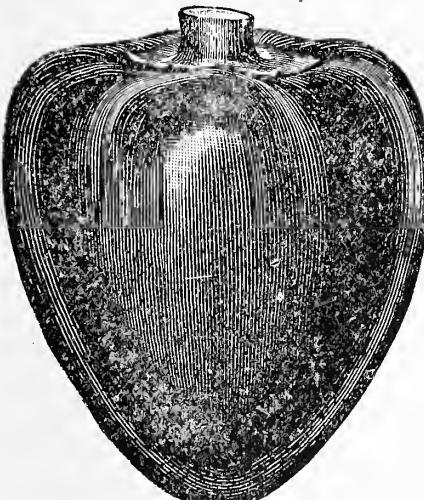
SWEET MOUNTAIN. Extra large fruit; very prolific; bright, smooth and handsome; flesh very thick, mild and sweet flavored. Rich red when mature. Pkt. 5c, oz. 40c.

LARGE BELL, OR BULL NOSE. A very large, inverted bell-shaped, valued for pickling or for filling. Thick, hard flesh, not very pungent and remarkably early for such a large fruit. Pkt. 5c, oz. 40c.

RED CAYENNE. A long slim pod, rather pointed, and when ripe of a bright red color, extremely strong and pungent. Pkt. 5c, oz. 40c.

GOLDEN QUEEN. They grow from fifteen to twenty perfect fruits on a plant, from 8 to 10 inches long, and 4 to 5 inches through. Color bright golden yellow, and so mild they can be eaten like tomatoes. Pkt. 5c, oz. 40c.

RUBY KING. Grows to double the size of Bull Nose. The fruits are five to six inches long, by about 3½ inches through. They are bright red, remarkably mild and pleasant in flavor, having no fiery taste. Single plants ripen from eight to ten fruits. The most popular red pepper. Pkt. 5c, oz. 40c.



Pepper—New Pimiento

PEANUTS

Improved Large Virginia. A very profitable variety to grow, and is easily cultivated; very erect; the largest pods and kernels with fewer imperfect pods than any variety. (See illustration.)



Culture. Plant in May in drills 3 feet apart, placing the nuts 8 to 12 inches apart in the drill. Cultivate flat and keep clean. It requires 15 to 20 pounds of shelled nuts or 1 bushel (22 pounds) of the unshelled peanuts, to plant an acre. Plant either way, but be careful not to break the skin or coating on the nut if unshelled. By mail, postpaid, 1 lb. 40c; by freight or express, 30c per lb.

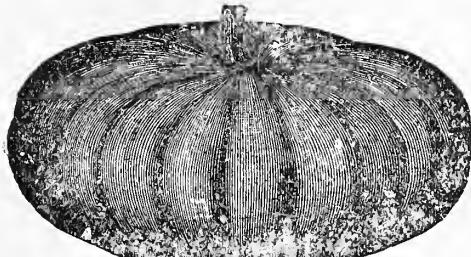
SEED POTATOES

To grow the best potatoes it is necessary to change the seed quite often. The seed potatoes that we offer were grown strictly for seed and are of best quality possible.

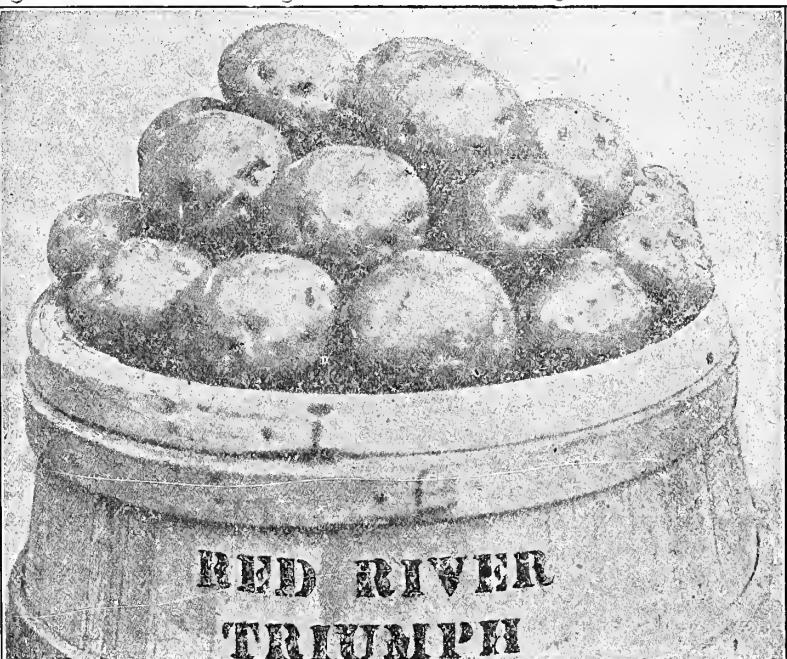
Prices on Seed Potatoes, 15 lbs., 90c, 30 lbs., \$1.75.
Prices on larger lots furnished on application.

Irish Cobbler.—One of the best extra early varieties. Flesh white and of excellent quality. A heavy cropper.

Early Rose.—A popular market sort, very early, fine quality; very productive.



Large Sweet Cheese Potato



RED RIVER TRIUMPH

Rural New Yorker, No. 2.—A very heavy yielder; potatoes large and unusually smooth. Eyes few and shallow; skin and flesh white.

Red River Early Ohio.—A popular early potato; seed of this variety is in great demand with us. Potatoes come round and thick; cook dry and mealy. We offer an extra-choice strain.

Red River Triumph.—A wonderfully prolific sort, ready about a week before Early Rose. Beautiful, light red; medium size, uniform growth. White flesh, cooking mealy.

Burbank.—A standard late variety. A good yielder of large, well-shaped white potatoes. These cook dry and mealy and are of the finest flavor and quality. Best for baking.

PUMPKINS

You might just as well raise some Pumpkins as not. Plant a few hills where the corn is missed, and it's done. Squashes do not do so well that way, but Pumpkins seem to like it as well as having the whole field to themselves.

LARGE SWEET CHEESE. This is one of the best varieties for family use. It has large, round, flattened fruits with a creamy buff skin, averaging 20 inches to 2 feet in diameter. It is an excellent keeper, with thick flesh of fine quality. Pkt. 5c, oz. 10c, ¼-lb. 50c., lb. \$1.50.

MAMMOTH TOURS. Grows to a large size and is adapted for cooking purposes and for feeding stock. The shape is irregular, some being round and others elongated or flattened. It is of deep, rich yellow color, fine grain and excellent quality. Pkt. 5c, oz. 15c, ¼-lb. 50c., lb. \$1.50.

SUGAR, OR NEW ENGLAND PIE. This handsome variety is small but very sweet, fine grained and of the very best quality. Skin deep orange, flesh rich yellow, excellent boiled or for pies. Pkt. 5c, oz. 10c, ¼-lb. 30c, lb. \$1.00.

RADISHES

All varieties thrive best in light, sandy loam. For early use, sow in the hothed in February, giving plenty of ventilation, or outside in the garden, in drills, as soon as the soil is warm and dry, covering the seed about half an inch deep. Sow every two weeks from March until September, for a succession of crisp Radishes for continued use. Radishes must grow rapidly to be crisp, mild flavored and tender. We offer a very fine assortment. One ounce of seed will plant 100 feet of drill.

ICICLE. One of the best Radishes that we know of. It is pure white, rather long and tapering, remaining mild and crisp until quite large. The leaves are small, so that the Radishes can be grown closer together than some other varieties can. For a succession plant every ten days Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

EARLY SCARLET GLOBE. One of the finest early, bright red Radishes in existence. Its quality and beauty make it doubly desirable for table use. Unequalled for forcing or planting outside—either for home or market. Quite round. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

CRIMSON GIANT. Will grow twice as large as other round Radishes without becoming hollow or losing its tenderness and mild flavor. Sometimes grows 2 inches or over in diameter. Round or oval. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

EARLIEST WHITE TURNIP. A medium-sized round Radish with pure white skin and small top. Quality excellent—mild and crisp. Can be grown outdoors or forced in hothed or greenhouse Ready in about thirty days after planting. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

FRENCH BREAKFAST. A white-tipped, half-long early variety. Skin glossy crimson on top; flesh mild and tender. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

EARLY SCARLET TURNIP. One of the very early Radishes; small and round. Bright red all over. A favorite for market and home gardens. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

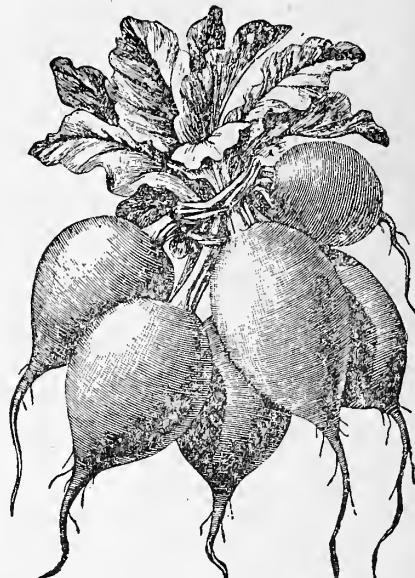
SCARLET TURNIP. White-tipped; upper part bright scarlet. Splendid quality. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

OLIVE-SHAPED WHITE. Oblong, averaging possibly 2 inches in length and pure white, tender and delicious; a quick grower. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

LONG WHITE VIENNA, or LADY FINGER. A long tapering Radish with pure white skin and mild, delicious flavor. Ready in 25 days. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

WOOD'S EARLY FRAME. Equally good for forcing or first-crop outdoors. Uniform; smooth, bright red skin; white, crisp, well-flavored. Continue brittle and tender until July. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

ROUND BLACK SPANISH. Three or four inches in diameter with black skin, and close-grained, white, highly flavored flesh. A good winter keeper. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c..

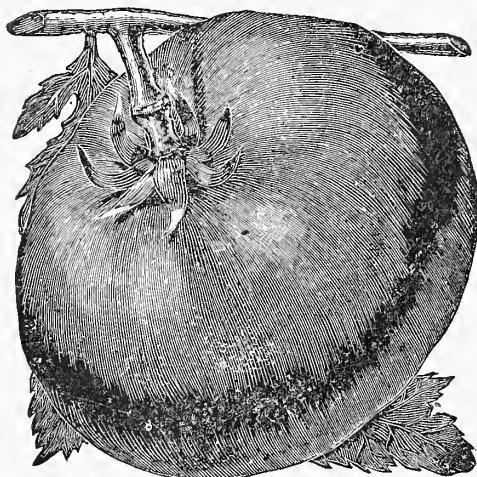


Early White Olive-Shape

CHINESE ROSE WINTER. The best winter Radish. An introduction from China, where the gardeners grow delicious Radishes of a size that would astonish the average American grower. This particular variety is of medium size, with a bright tip, rosy red skin, and solid flesh of very good quality. An excellent winter keeper. Pkt. 5c, oz. 25c, $\frac{1}{4}$ -lb. 75c.

MIXED RADISH SEED. Recommended for small gardens or for planters who want a large yield of various sorts lasting through several weeks. Our mixture includes nearly all kinds. Pkt. 5c, oz. 20c, $\frac{1}{4}$ -lb. 50c.

TOMATOES



Young's Excelsior

TOMATOES

SMALL FRUITED SORTS

Small Fruited Tomatoes.—Principally used for making fancy pickles and preserves. The plants are very productive, and the fruits run about an inch in diameter.

Yellow Plum.—Beautiful, bright yellow Tomatoes in clusters. Excellent quality. Pkt. 10c, oz. 30c.

Red Cherry.—Same as above except that the fruit is light scarlet. Pkt. 10c, oz. 30c.

A packet of tomato seed should make anywhere from 100 to 500 plants, according to what luck you have. An ounce of tomato seed should make 2,000 to 4,000 plants.

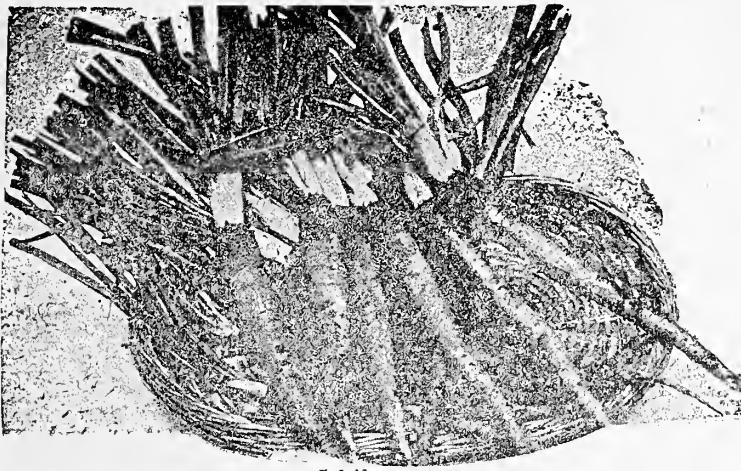
NEW STONE. This is the best representative of the Livingston type of big, solid, "hefty" dark red tomatoes. It is the best of any kind of the large tomatoes. Is always smooth and remarkably free from rot. It is solid meaty, of good flavor, and remarkably prolific. Pkt. 10c, oz. 35c.

CRIMSON CUSHION. A continuous and late fruiter. Of immense size, often weighing a pound, and smooth as an apple. Ripens thoroughly all over. Nearly round and of a very good quality, being free from acid taste; color, bright scarlet. Nearly seedless and as solid as beefsteak. A prodigious bearer. Large packet 10c, oz. 40c.

Dwarf Champion.—Early, smooth, solid fruits of good quality, purplish-red, but not very large. Vines of upright growth, holding the fruits well off the ground. Pkt. 10c, oz. 35c.

Ponderosa.—As indicated by its name, these Tomatoes are very large—frequently weighing a pound or more. Fine for slicing or general use. Deep purple, solid, fleshy, with few seeds. The vines are of vigorous growth. Pkt. 10c, oz. 60c.

Livingston's Beauty.—Tomatoes large, smooth and uniform; purplish-pink with thick flesh. The vines are vigorous and yield heavily. Pkt. 10c, oz. 35c.

**SQUASHES**

Squashes should have very rich, loose soil and plenty of room. Make the hills far apart, and don't crowd them. Put in plenty of seed and, after the bugs get done with them, thin them out to about three plants in each hill.

WHITE BUSH SCALLOP, PATTY PAN. Commences maturing early and will bear throughout the season if Squashes are kept gathered. Large; pure white skin; flesh is of fine quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c.

YELLOW BUSH SCALLOP. Very early flat variety with edges regularly marked or scalloped. Skin pale yellow, flesh deep yellow, of fine flavor with small seed cavity. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c.

GIANT SUMMER CROOKNECK. A long, roundish Squash with the stem completely turned back upon itself. The seed we offer produces Squashes much larger than the ordinary Crookneck type of the old gardens. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c.

VEGETABLE MARROW. A favorite English bush Squash; creamy skin, white flesh. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c.

FALL AND WINTER SQUASHES

BOSTON, OR AUTUMNAL MARROW. A large, oval Squash, with a mottled, orange-yellow skin and rich, fine-grained, salmon-yellow flesh. Flavor of the best; unexcelled for pies. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 25c.

HUBBARD. A good standard late variety. Squashes large, roundish, tapering at both ends. Dark green skin, heavily covered with small knobs or warts. Flesh bright orange-yellow; fine grained, rich and sweet and a magnificent keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c.

FORDHOOK. Dry, sweet flesh; skin thin and meat thick. A sure bearer. Very productive and highly recommended. Can be grown as a summer Squash. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c.

ESSEX HYBRID. A splendid winter keeper; hard-shelled with fine-grained, thick flesh of a rich orange color and splendidly flavored. Vines prolific yielders; splendid for general crop. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c.

TURNIPS

Early Turnips should be sowed or set out, drilled in, very early. You can't get them in too early. Get the spring crop started so that the turnips may have time to grow before hot weather causes them to become tough and strong. Sow for main crop from the middle of July to the last of August. In the field, turnips are generally sown broadcast, though much larger crops are obtained by drill culture.

EARLY WHITE SNOWBALL (SIX WEEKS). A perfect globe-shaped, white-skinned turnip. A good keeper; fine for family or market. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

PURPLE TOP STRAP LEAF. This is the old standby for late growing. Large, sweet and fine grained. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

EXTRA EARLY PURPLE TOP MILAN. Two weeks earlier than any other. Flat; white, with purple top, flesh white, fine grained and delicate. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 60c.

EXTRA EARLY WHITE MILAN. Similar to above, but pure white. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 60c.

EARLY FLAT DUTCH, or White Strap-Leaved. A standard flat variety; good size; pure white; small top, few leaves; good early or late. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

GOLDEN BALL, or Orange Jelly. Rapid grower; globe-shaped; bright yellow. Best yellow sort for table use. Keeps well into the winter. A very fine variety. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 55c.

SALSIFY, or VEGETABLE OYSTER

Culture.—Plant and cultivate about the same as carrots or parsnips. Succeeds in a light, rich, mellow soil. Sow early in spring in drills 15 inches apart in rows.

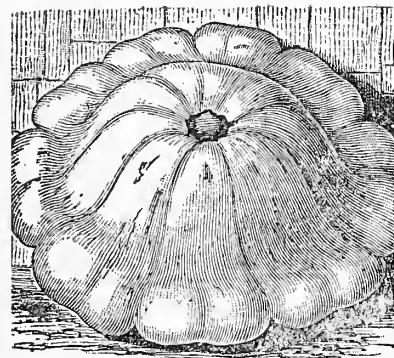
Salsify can be cooked the same as carrots or can be made up into cakes and fried like oysters—which it resembles very closely in flavor. It is an improvement to leave the roots in the ground all winter, but they must be taken up in spring before growth commences.

MAMMOTH SANDWICH ISLAND. With us this grows as large as a good-sized parsnip. Has a mild, delicate flavor. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

LONG WHITE. A favorite market variety of splendid flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

**HOLT'S MAMMOTH SAGE
PLANTS ONLY**

The plants are very vigorous and get to be very large. The leaves are large and of unusual substance, strong flavor and superior quality. Perfectly hardy. Good plants, 10c each, 3 for 25c, postpaid.

**SPINACH**

Culture.—For early spring use, sow in September, protecting in exposed places with hay or straw until spring. For summer use, sow in March or April. The richer the soil the larger and more tender the leaves will be. Spinach requires little special care and is a fine crop for home gardens—profitable also for market.

BLOOMSDALE, or Savoy-leaved. Has many heavily curled and wrinkled leaves. Leaves similar to Savoy cabbage. One of the earliest and best. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

ROUND THICK-LEAVED. Very rapid grower, producing thick, somewhat wrinkled leaves in clusters. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

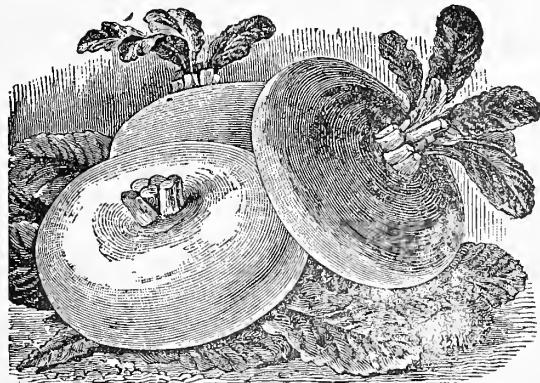
PRICKLY WINTER. Very hardy; used largely for fall sowing. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

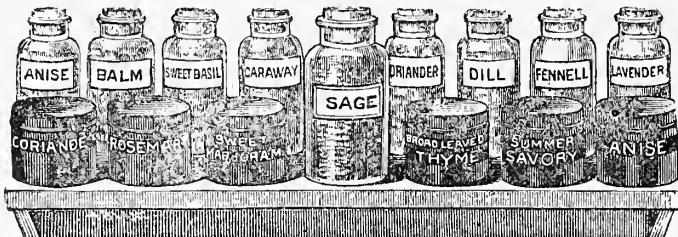
LONG-STANDING. Matures quickly and remains in good condition for a long time. Smooth, dark handsome leaves; we consider it one of the best for general planting. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

VICTORIA. Matures later than most other varieties; the leaves are of fine texture, thick and fleshy; deep green, heavily crumpled, with deep red stem. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 60c.

A WORD ABOUT SPINACH

Spinach contains much iron, and is a good healthful food. When the war started, one of the first things the Holland government did was to prohibit the exportation of spinach seed.





DILL. This herb is used in large quantities in the making of Dill Pickles; also for flavoring vinegar. Pkt. 5c.; oz., 10c.

SAGE. Sow in rich ground and thin out the plants to stand 15 inches apart. Used for flavorings and dressings. Pkt. 5c.; oz. 15c.

TOBACCO

Connecticut Seed Leaf.—Pkt. 5c., oz. 20c.
Havana Imported.—Pkt. 10c., oz. 30c.

HERBS

Utilize the corners for a few Pot and Sweet Herbs (for flavoring meats, soups, etc.) Indispensable to every garden, while Medicinal Herbs will be found useful. Thrive nicely along sunny side of fence in a deep, fairly rich soil.

Varieties of Herbs

LAVENDER. A popular aromatic herb, emitting a delightful perfume. Pkt. 5c.

BASIL, SWEET. The leaves and tops of the shoots are used for highly seasoned soups, stews and sauces; a leaf or two is sometimes placed in salads. Per pkt. 5c.

BORAGE. Excellent for bees. The leaves are used in salads or boiled as spinach, the flowers are aromatic and used in cool drinks. Per pkt. 5c.

ROSEMARY. The aromatic leaves are used for seasoning. The oil from the flowers is the chief ingredient in "Eau de Cologne." Pkt. 5c.

FENNEL. The leaves boiled enter into many fish sauces, and are beautiful for garnishing, the seeds are employed in confectionery and for flavoring liquors. Per pkt. 5c.

SAVORY, SUMMER. Used for seasoning and flavoring soups and dressings. Per pkt. 5c.

THYME, BROAD-LEAVED. The leaves are dried for seasoning, also useful as a bee food. Per pkt. 5c.

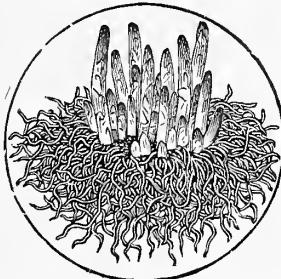
THE BEST VEGETABLE PLANTS

Hand Transplanted—Well Hardened

The plants listed below are grown at our nursery grounds, where we have facilities for growing large quantities of the very finest quality. All plants should be sent by express.

Cabbage, Cauliflower, Pepper and Sweet Potato plants by mail, if desired, at 25c per hundred extra.

Our potted Eggplants, Pepper and potted Tomato plants have a great reputation. They are grown cool and stocky. If wanted in quantity, order early and at special prices.



Asparagus Roots, 2 Years Old.

Asparagus Roots. (See page 58.)

Rhubarb Roots. (See page 59.)

CAULIFLOWER—EARLY TRANSPLANTED

Early Erfurt.—35c per doz., \$1.00 for 50, \$1.50 per 100.
Henderson's Early Snowball.—35c per doz., \$1.00 for 50, \$1.50 per 100.

CELERY PLANTS

White Plume, Giant Pascal, Golden Self-Blanching. Early transplanted plants. We will supply the above varieties at the prices and dates named below: From June 1 to June 20, 60c for 50, \$1.00 for 100. From June 20 to July 15, 40c for 50, 75c for 100.

SWEET POTATO

Ready by May 20th. Yellow Jersey and Red Jersey. 100, \$7.50; 100, \$1.00; doz., 25c, (postpaid) 30c.

Eggplant.—Pot-grown. New York improved. Ready about May 10. Large, round, purple variety. 50c per doz., \$4.00 per 100.

Pepper Plants, pot and hotbed-grown. Ready in May. Bell or Bullnose, Chinese Giant, Long Red Cayenne. Grown in pots, 40c per doz., \$3.00 per 100; out of hotbeds, 30c per doz., \$2.00 per 100.

THE BEST HERB PLANTS

Holt's Mammoth Sage.—Each 10c, 3 for 25c, postpaid.

Spearmint.—The plant which produces the mint of the markets and largely used for culinary purposes. It is also used in concocting the refreshing Mint Julep so popular in some sections. Strong plants, 10c each; 3 for 25c, postpaid.

Chives, also called Schnittlauch.—Chives are perfectly hardy perennial plants of the Onion type. They are grown for their small leaves, which are produced very early in the Spring for giving a mild Onion flavor to various dishes. Selected clumps or plants, 20c each; 4 for 60c; \$1.25 per dozen, postpaid.

Horseradish Roots.—Will produce Radish fit for use in one season's growth. Plant the set with the small end down, so that the top will be 2 inches under the soil. Roots ready for planting, by mail, postpaid, 5c each, 25c per doz., 60c for 50.

Parsley Plants.—10c each, 3 for 25c, \$1.00 per doz.

POT-GROWN TOMATO PLANTS

Ready April 15. Our Pot-grown Tomato Plant have a splendid reputation. We can supply all the leading varieties, including Young's Excelsior, Livingston's Beauty, Early June, New Stone, Ponderosa, etc. Pot-grown (see illustration,) 40c per doz., \$3.00 per 100.



TRANSPLANTED TOMATO PLANTS.

Ready about April 20. Our plants are all transplanted and the very best in every respect. We can furnish all the leading varieties and in any quantity. 25c per doz., 50 for 90c, \$1.75 per 100.



CABBAGE PLANTS

Field Grown. Ready about May 15. We can supply the varieties of Cabbage given below, field-grown plants, at the uniform price of 50 for 40c, 75c per 100.

Showing growth of our Tomato plants transplant-
ed to pots. We grow other
vegetable and flowering
plants just as carefully.

Cabbage Plants.—Early transplanted. Ready about April 1.

First-class plants, carefully grown and hardened off in cold-frame. Varieties: Jersey Wakefield, Henderson's Early Summer and Premium Flat Dutch, Daniels' Defiance, etc. 35c for 25, 60c for 50, \$1.00 per 100.

Cultural Directions

To help beginners and others who are not fully posted on gardening, we have had the following leaflets printed. They are yours for the asking. We send them free. In sending in your order just state the leaflets wanted.

How to grow Asparagus.

How to grow Cabbage and Cauliflower.

How to grow Celery.

How to grow Cucumbers under glass.

Hot Beds and Frames.

Mushroom Culture.

Culture of Onions.

Lettuce in the open and under glass.

Tomatoes, outdoors.

Tomatoes, under glass.

Melons under glass and in the open.

Culture of Vegetables.

CHOICE SEED CORN

Prices of all Farm Seeds quoted in this Catalogue are subject to market changes. The prices given are those ruling at the time this Catalogue is published, January 15. But we reserve the right to change prices without notice.

Remember—In counting the Cost of Seed Corn—All our Field Corn Seed is well matured, thoroughly cured, and shelled with the greatest care. We test all varieties before sending the seed to our customers, that there may be no doubt as to the vitality. To avoid delay when ordering late in the season, it would be well for you to mention your second choice, or state whether we shall send you a sort adapted to your locality, or refund the money, provided we are sold out of your first choice when your order arrives.

White Cap Yellow Dent.—Pronounced the best of all the large Dent sorts. Grows well in nearly all soils, but does especially well on poor, thin soils, where it has out-yielded the Leaming by 30 per cent. Deep, flat grains, closely set; yellow with white tip. Peck, \$1.50; bushel, \$5.50.

Improved Leaming.—The Leaming, in its various types, is probably more largely planted, both in southern and northern states, than any other seed Corn. Large, handsome ears of good size with fair-sized grains of deep orange; small red cob. Stalks medium size and leafy, making excellent fodder; usually two ears to the stalk. Husks and shells easily; ripens in ninety to one hundred days; almost never fails to make a good crop. Peck, \$1.50; bushel, \$5.50.

Saint Charles White.—This excellent variety of white corn was originated in St. Charles County, Missouri, and is very popular with a large number of our customers. It is a very handsome, pure variety of white corn set on a red cob, and the ears are usually 8 to 10 inches long, 16 to 18 rows of deep, broad kernels. The stalk grows from 10 to 12 feet high, dependent upon the land upon which it is planted, the lowlands and bottom producing the taller stalks. Peck, \$1.50; bushel, \$5.50.

Champion Early White Pearl.—Large ears, well filled throughout, completely covering the cob. Deep white kernels, running 16 to 22 rows to the ear. Medium early, yielding frequently 75 bushels per acre. White corn stands drought better than yellow and usually sells higher. We recommend our stock as dry, well-matured and pure white. We have been selling this strain for several years, and our customers write very highly of it. It will pay you to grow it this year. Give it a trial. Peck, \$2.00; bushel, \$7.50.

White Hickory King.—A famous White Corn of southern origin. Large tapering ears with small cob and large kernels, shelling and husking easily. Matures in about 125 days. Stalks leafy, usually bearing two ears. Our stock is grown in northern Missouri by a careful breeder and we recommend it highly. Peck, \$2.00; bushel, \$7.50.

Reid's Yellow Dent Corn.—This is a splendid Yellow Dent variety with 18 to 24 rows of kernels on an ear. The cob is small and grains are very close together so that there is scarcely any room between the rows. It has been bred up and selected with painstaking care to what is at the present time one of the best varieties of yellow corn grown. Peck, \$1.75; bushel, \$6.50.

Prices on Seed Corn subject to market changes.

FIELD SEEDS

Prices on all farm seeds are subject to change without notice. If prices are lower the day your order is received, more seeds will be added. If higher, the amount will necessarily be decreased. We will give the fullest measure possible in every case.

DWARF SOWING RAPE

Valuable forage plant; fine for fattening calves, sheep, lambs or young hogs. Prepare ground as for turnips and sow as soon as frost is out; or sow in June or July broadcast, at the rate of three or four pounds per acre. Please note that Rape is for pasture and not for hay. Our stock is the true Dwarf. Postpaid, oz. 5c, $\frac{1}{4}$ -lb., 15c, 1-lb. 30c.

COWPEAS

Good pasture for cattle, sheep and swine; it is also valuable for a nitrogen crop in orchards and elsewhere—for which purpose it must, of course, be plowed under without cutting. When used as pasture the early pods should be well formed before turning in the stock. When pastured by swine, the crop should be allowed to get nearly ripe. When used as a fertilizer, plow under when plants are in full bloom, as they are then in the richest stage of their development.

New Era.—One of the leaders and a very promising variety.

Price per bushel, 60 lbs., \$4.75.

Whip-poor-will.—Price per bushel, 60 lbs., \$5.00.

MAMMOTH RUSSIAN SUNFLOWER

Bears enormous heads, 22 inches in diameter; seed are unequalled for poultry food. It is fine for "fattening off" poultry, and keeps the birds in healthy condition with bright, lustrous plumage. Sow in odd corners, fence-rows, etc. Price, pound, 15c; 10 pounds, \$1.25.

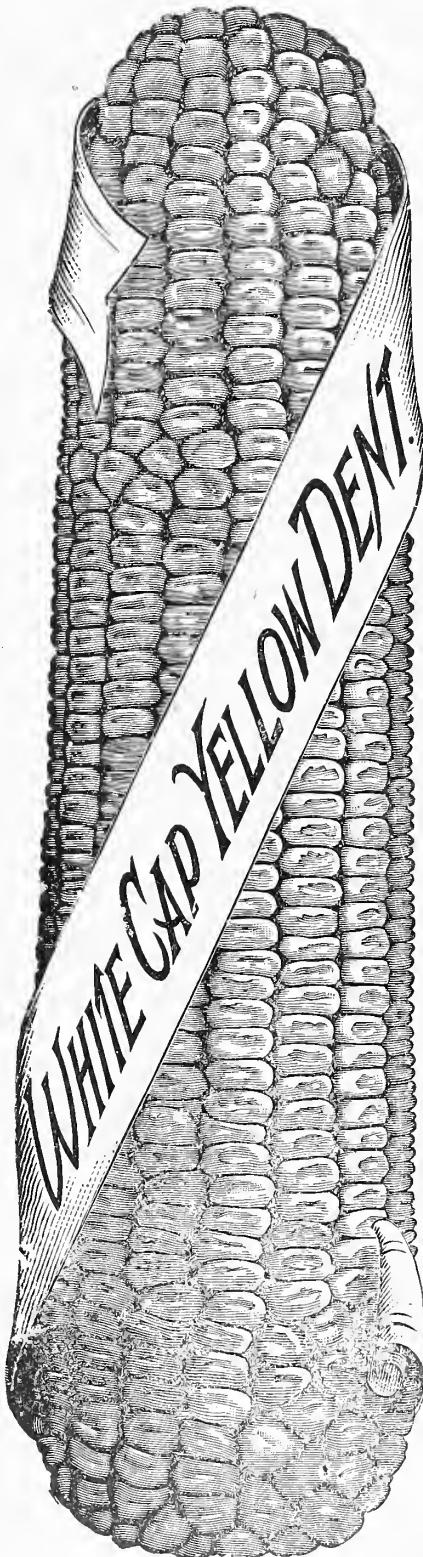
SUGAR CANE

Valuable for a green fodder crop; we consider it one of the best green foods for cattle, horses and young stock during the dry spells of August and September. It makes a rich, rank growth and supplies a lot of nourishing feed for little money. \$2 worth of seed will sow nearly a half-acre. We offer northern seed. It should be sown at the rate of 60 pounds to the acre. $\frac{1}{4}$ -lb. 10c, lb. 25c, postpaid. At purchaser's expense, 15c per lb.

SUPERIOR EARLY KAFFIR CORN

A great corn for dry seasons. Grows right along in dry weather or wet, forming vigorous roots from which two crops of fodder per season may be cut. The stems are stocky, producing many broad, heavy leaves. The stalks do not harden as other corn stalks do, but remain green, brittle and juicy, and are highly relished by all stock. It will pay you to plant a few acres of this corn, which in addition to its fodder, is prized for its heavy yield of seed, which is just as nutritious and fattening for stock as corn. Price on Kaffir Corn, per bushel, 56 lbs., \$3.50.

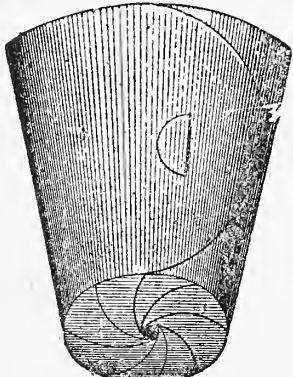
NOTE.—If you want a large quantity of seed corn of any of the above varieties, write for samples and prices.



Garden Requisites and Useful Articles

These tubs are made of selected Virginia White Cedar, with galvanized electric welded wire hoops. Tubs are painted green inside and outside.

No. 1—12 inch diameter.....	\$1.25
No. 2—14-inch diameter.....	1.50
No. 3—16-inch diameter.....	2.00
No. 4—18-inch diameter.....	2.50



Paper Flower Pots

PAPER FLOWER POTS

Paper flower pots have been given full and repeated tests in growing bulbs for blooming, and have proved fully satisfactory in every respect.

Prices

Doz.	100
2½-in.....	\$0.15 \$0.75
3 -in.....	.20 1.00
4 -in.....	.25 1.50
5 -in.....	.30 1.75
6 -in.....	.40 2.00

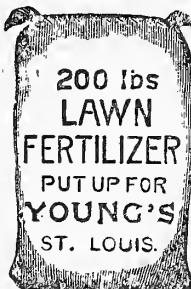
By mail, postpaid.

FLOWER POTS (Standard Sizes.)

Beautiful red pots, having strong rims that prevent breaking when in use or nested. The concave bottom and large hole in our pots insure perfect drainage and a healthy plant. No charge for packing. They must be sent by freight at purchaser's expense.

Per doz.	100	Per doz.	100
2-in. pots.....	\$0.20 \$1.00	7-in. pots	\$1.25 \$9.00
3-in. pots.....	.25 1.25	8-in. pots	1.50 11.00
4-in. pots.....	.40 1.75	10-in. pots	each .35
5-in. pots.....	.50 3.50	12-in. pots	each .50
6-in. pots.....	.75 5.50		

SPECIAL NOTICE. If you do not see what you want in the above list of Garden Tools, write us and ask us for it, we probably have it in stock, or we can get it for you, charging you only market price.



FERTILIZERS

For Lawn, Garden, Field and House Plants

YOUNG'S BONE MEAL. This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid. Is made from bone accumulated in large slaughter-houses. Price: 5 lbs. 40c, 10 lbs. 75c, 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.00.

YOUNG'S HIGH-GRADE TRUCK AND FARM MANURE. This is our best brand of concentrated manure, suitable for lawns and flowers as well as vegetables. It is of exceptional value and will prove a money maker to every farmer or gardener that uses it. 25 lbs. 70c, 50 lbs. \$1.25, 100 lbs. \$2.40, 200 lbs. \$4.60, 500 lbs. \$11.25.

SHREDDED CATTLE MANURE. An efficient, high-grade natural fertilizer for all general purposes. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or he raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy and cleanly to handle as grain, being perfectly dry, and can be stored anywhere until wanted for use. Price, 25 lbs. \$1.00; 50 lbs. \$1.50; 100 lbs. \$2.75.

BOWKER'S FOOD FOR FLOWERS. A fertilizer free from odor, clean to handle. Made expressly for flowers grown in the house or garden, producing a healthy, luxuriant growth and induces early and generous flowering. It can not in any way harm the plants if applied according to directions, which accompany every package. Small package, 15c; by mail, 25c; large package, enough for 20 plants for six months, 25c; by mail, 40c.

PULVERIZED SHEEP MANURE

It is Convenient. Being thoroughly dried and finely ground, Pulverized Sheep Manure is in a convenient form for use on the lawn, in the garden, in the greenhouse, or for potting soil. Most of the weight has been removed in drying.

It is Natural. A pure animal fertilizer. No chemical change or loss of plant food occurs in drying and grinding. Adds organic matter to the soil by nature's own method.

It is Inoffensive. Unequalled for the lawn. Is a top dressing of Sheep Manure, without any unsightly appearance or offensive odor.

There is no Risk. Contains no acids or chemicals to burn the sprouting seeds or roots of plants. May safely be used wherever stable manure would be desirable, and without inconvenience.

On the Lawn. The first shower or watering, following an application of Pulverized Sheep Manure, produces a luxuriant dark green growth. The insoluble particles, gradually decaying, feed the grass roots for a long time, so that the effect is lasting.

In the Garden. Pulverized Sheep Manure is convenient; it furnishes plant food in the best form for growing plants of all kinds; and it adds organic matter, or humus, to the soil, thus keeping it in a good mechanical condition. Commercial fertilizers cause the soil in time to become hard and dry.

Price: 5 lbs. 35c, 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

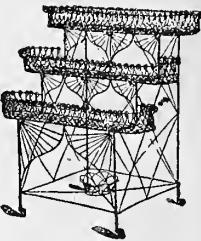
FOLDING WIRE PLANT STANDS.

They are very strong and steady, and are handsomely finished in green enamel and gold. The prices include crating for shipment.

One Tray—No. 22, size 10x24;
price, each..... \$1.50

Two Trays—No. 20, size 7½x30;
price, each..... 2.75

Three Trays—No. 20; size 7½x30;
price, each..... 5.00



Wire Folding Plant Stand, Three Trays



SCOLLAY'S RUBBER SPRINKLERS

Indispensable for floral work and window gardening. 75c, \$1.00 and \$1.25 each, according to size.



LABELS

Per 100	1000	Per 100
4-in. pot labels	\$0.15	\$1.25
6-in. pot labels	.25	1.75

12-in. pot lah's..... \$1.00
3½-in. notched tree labels, copper wired25

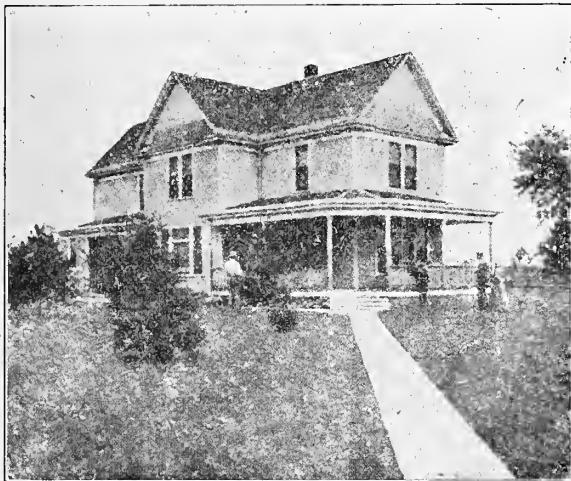
CANE PLANT STAKES

From 6 to 8 feet in length; can be cut to any desired size. Per 100, \$1.50.

GARDEN TROWELS

Solid Steel—Made of one solid piece of best steel. No rivets to give way. The best trowel made. 5-inch, 40c; postpaid, 50c. 7-inch, 45c; postpaid, 55c.
Common Steel Trowel—Has riveted blade. 6-inch, 10c; postpaid, 15c.
Cleves' Angle Trowel—5-inch, 20c; postpaid, 25c. 7-inch, 30c; postpaid, 40c.





Lawn Seeded With Our Lawn Grass Seed

Ready for Mowing in Four Weeks. If you will prepare the soil in good shape and keep it moist until the grass gets started, you can have a lawn ready to mow in four weeks from the time you sow the seed and it will keep coming and getting better all the time. Be sure and use plenty of seed, not less than one quart for each three hundred square feet. For instance, if you have a plot of ground 20x30 feet, that would be six hundred square feet, and you should use two quarts of seed. Of course, if you want to patch up an old lawn, which already has some grass on it, you could use less seed, but it is much better to use too much rather than not enough. Grass seed is ordinarily figured at 14 lbs. to the bushel, but we have used clean, solid seed and our mixture weighs 20 lbs. to the bushel and we sell it on that basis.

Price: quart 35c, postpaid, peck \$1.25, bushel of 20 pounds \$5.00, by Express at purchaser's expense.

YOUNG'S GRASS SEED MIXTURE FOR SHADY PLACES. This is a mixture of extra-fine grasses adapted for growing in the shade and under trees. We recommend it wherever other grasses have failed to make a close sward on account of shade. Quart, 35c. Postpaid, peck \$1.25, bushel \$4.50.

KENTUCKY BLUE GRASS SEED. Extra fancy, recleaned. Many prefer this to a mixture, and the fact cannot be denied that a lawn of Blue Grass only is magnificent; it takes longer, however, to get it established. In conjunction with White Clover, it forms the finest and closest turf. It will show green early in spring, and keep green until covered with snow. Sharp frosts do not seem to affect it seriously, nor is it damaged by hot sun or dry weather. Our seed is all new crop, Kentucky grown, and is of the very best grade, fancy cleaned. Lb. 40c, postpaid; by express at purchaser's expense, bushel \$5.00.

WHITE DUTCH CLOVER. The very best variety for lawns, as it forms a close herbage, never gets so high that the mower cannot be used and remains green throughout the season. Sow at the rate of 5 lbs. per acre, when sown alone; half the quantity when sown with other grasses. Per lb. by mail, postpaid 75c.

MAMMOTH RED CLOVER. This is a larger, later variety of Clover, somewhat resembling the ordinary Medium Red, or June Clover. It is much ranker in growth, and for that reason is not suited to rich land, or even average good land, as it grows so rank and coarse that it is impossible to cure it. It generally ranges in price about same as ordinary Clover or from 25c to 50c per bushel higher. Lb. 45c. Postpaid, prices on larger quantities on application.

ALSIKE CLOVER. (Swedish Clover.) Has a bloom somewhat like White Clover, but more pink. Especially suited to low, wet land where red Clover will not thrive. Lb. 35c; for bushel and larger quantities, write for prices.

ALFALFA, or LUCERNE. Alfalfa is being more generally grown as experience is teaching our farmers the proper soils on which it should be sown. It requires cutting at least twice the first season, even if not large enough to make hay. Cutting destroys any weeds that may come up in it and gives the Alfalfa a chance. Must be sown at the rate of 20

YOUNG'S Famous Lawn Grass Seed

Some people seem to think that it is a hard matter or impossible to get a nice lawn started, but we have always found it very easy, if you use good seed and pay attention to getting the ground prepared in good shape to start with.

PREPAREDNESS. In the first place you must, of course, have soil that is fairly rich. If it is real poor and thin, sandy, or sour heavy clay, you will have to add some good soil to it before you start. It must be worked up fine and mellow and free from sticks, trash, clods and stones. You can't cultivate lawn grass after it is planted so you must do all your cultivation beforehand. When you get the ground nicely fixed, sow the seed broadcast at the rate of one quart to three hundred square feet, and then rake it in so it will be covered nicely. Of course it must be kept moist until it gets well started. Grass is mighty tender stuff when it is young, and if it gets dried out down to the roots, it will kill out, but if you can keep it moist and growing until it is two or three weeks old, the chances are you will have no further trouble getting a nice lawn. Of course the richer the soil the better chance you will have and the quicker you will get a good growth of grass. Rich soil, plenty of moisture and plenty of good seed will give you a fine lawn in a short time.

OUR LAWN GRASS MIXTURE we believe is the best mixed lawn grass you can buy anywhere. It is good, solid, clean seed, free from weed seeds and trash. It is guaranteed to show high germination and start quickly and evenly. It will thrive in any part of the country and on any soil that is fairly rich and moist. It will stay green all summer and will make smooth, velvety, close-woven sod, which is what we all want.

Price: quart 35c, postpaid, peck \$1.25, bushel of 20 pounds \$5.00, by Express at purchaser's expense.

to 25 pounds per acre when sown broadcast. It requires well-drained, well-pulverized, deep soil, and should be sown after danger of freezing is over. It prefers sand or gravel subsoil; wet soil is fatal to the plant. Roots from 3 to 15 feet deep, and when established lasts for years, and two or three crops a year can be cut. Not recommended for pasture. We make a specialty of extra choice seed-stock that stands well above 99 per cent pure. Get our prices and samples before ordering. Lb. 40c, postpaid; by express or freight, 10 lbs. \$3.25.

ENGLISH OR PERENNIAL RYE GRASS. This is becoming well-known in this country as a valuable pasture grass which will bear frequent close cropping. Produces an abundance of foliage which remains bright and green during the season. The hay is relished by all kinds of stock. Per lb. 25c. Postpaid, 10 lbs. \$2.00.

CANADIAN BLUE GRASS. Resembles Kentucky Blue Grass, but is not of so good quality. It will thrive even on hard clay soils and, having an extended root development, forms a heavy turf. Extra-cleaned, lb. 25c, by mail, 35c; peck, 75c; bus. \$3.00.

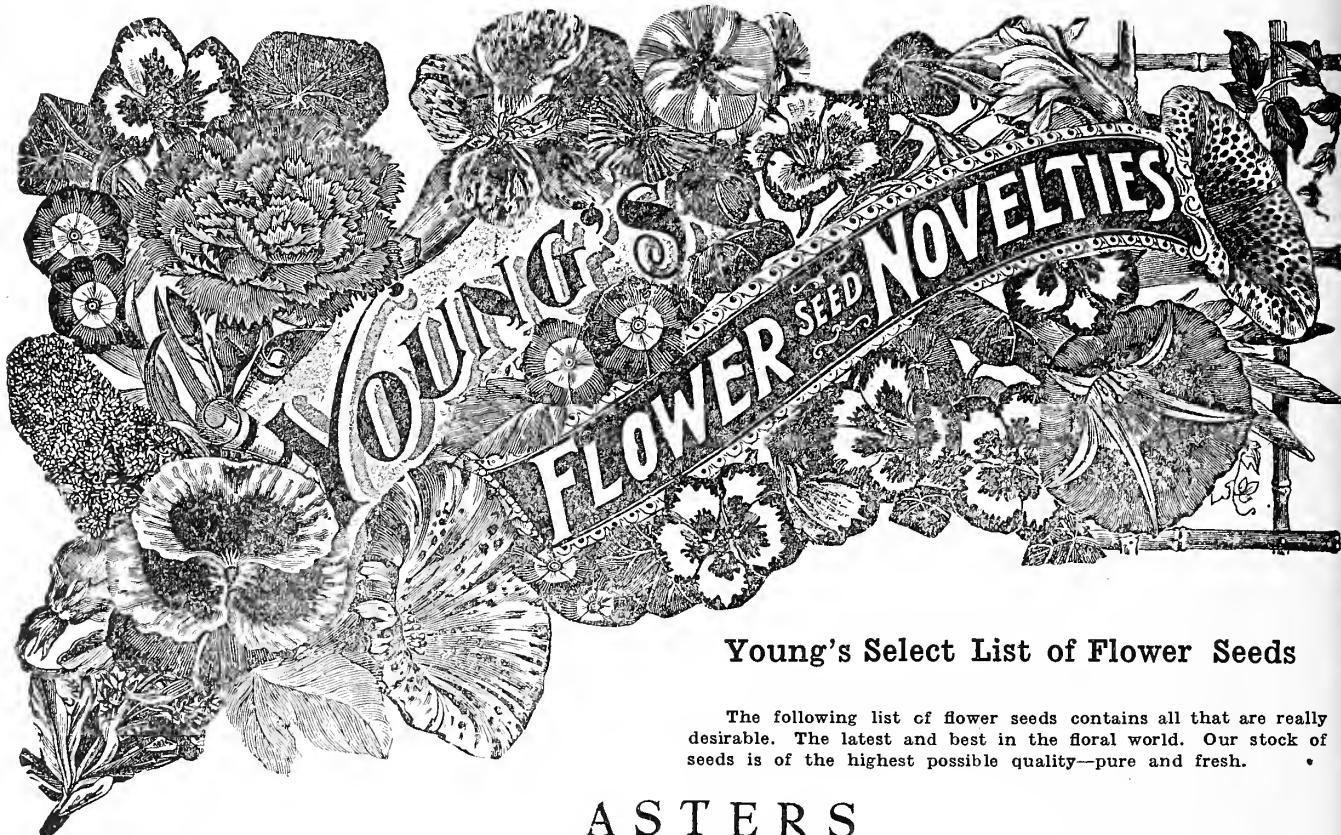
RED-TOP (Solid Seed.) A valuable grass for moist, rich soils, where it thrives luxuriantly. Good to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. Lb. 40c. Postpaid.

ORCHARD GRASS. A valuable grass for pasture or hay land, and on account of its earliness, is very well adapted for a permanent pasture. When closely cropped it grows up very quickly and is ready for grazing again in ten to twelve days. Lb. 50c. Postpaid. Ask for prices in quantity.

TIMOTHY. Succeeds well on most soils, and stands extreme drought, heat or cold. It makes the very best and most nourishing hay. Lb. 25c, bus. of 45 lbs., market price.

SWEET VERNAL GRASS. Keeps up a continuous growth until late in the autumn. A little of this seed sown in the hay field gives off a fragrant odor and sweetens the hay. Lb. 75c, bus. of 10 lbs., \$6.00.

BERMUDA GRASS. Invaluable for the south. It will stand a greater degree of heat than any other known grass. Lb. 75c.



Young's Select List of Flower Seeds

The following list of flower seeds contains all that are really desirable. The latest and best in the floral world. Our stock of seeds is of the highest possible quality—pure and fresh.

ASTERS

Of flowers grown from seed, few are more satisfactory than Asters. They are easily grown in any good soil, in any location, and by any one. They will grow in open ground or in partial shade. They bloom at a time of the year when other flowers are scarce, and from July till frost they furnish a wealth of bloom. The seed can be planted either in the open ground or in a hotbed or coldframe, or the plants may be started in a box in the house.

We can supply Aster plants from pots after April 15th, at 60c per dozen, postpaid.



Aster—Snowdrift

IMPROVED VICTORIA ASTERS. Of all the large-flowered Asters none surpass this truly magnificent class. The plants themselves are strong growers, and produce profusely the most beautiful imbricated flowers. Undoubtedly the most handsome Aster in cultivation, and we have an excellent strain of it. Flowers very large and perfectly double, of globular shape and imbricated; plants are of fine pyramidal form, 1 $\frac{3}{4}$ feet high.

MIXED COLORS. Very fine. Pkt. 10c.

SEMPLE'S BRANCHING ASTER. The Branching Aster is quite different in several respects from any Aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are of extraordinary size and exceedingly graceful, and are borne erect on very long stems. Blooms until fall.

White, pkt.....	10c.	Rose and White, pkt.....	10c.
Lavender, pkt.....	10c.	Crimson, pkt.....	10c.
Flesh Pink, pkt.....	10c.	Mixed, pkt.....	10c.

This entire collection of 5 pkts., 40c.

QUEEN OF THE MARKET. The earliest first-class Aster, coming into flower almost a month in advance of the later sorts. The flowers are good size borne on long stems, making them very valuable for cutting. Mixed Colors, pkt.....10c.

SIX BEAUTIFUL NEW ASTERS

EARLY SNOWDRIFT. The earliest Aster in cultivation; blooms in July; flowers white, of the ostrich feather type. Pkt. 15c.

LAVENDER GEM. Charming lavender, deepening with age; flowers full, double, borne in profusion on long, slender stems. Flowers large. Pkt. 15c.

PURITY. Snow-white, medium-sized flowers, borne like snowballs all over the compact plants. Pkt. 10c.

DAYBREAK. Delicate shell-pink flowers; round, large and full. Borne on long, stiff, erect stems. Pkt. 10c.

ROYAL PURPLE. Flowers large and full, with petals closing over the center; the flowers are especially durable and are borne till late fall. Pkt. 15c.

OSTRICH-FEATHER, YELLOW. Petals curled and twisted, producing an attractive feathery effect; plant branches close to the ground and blooms early in great profusion. Pkt. 15c.

SPECIAL OFFER. The above 6 varieties for 50c.

YOUNG'S SUPERB MIXTURE OF ASTER SEED. This mixture includes the best of all Asters, and is absolutely unexcelled. Our special strain has been especially selected from the large size flowering type. They will all grow about the same height. Buy Young's Mixture of Aster Seed, and you will certainly be delighted, as nothing better can be produced.

CHOICE MIXED ASTERS. All colors and all sizes. A mixture of many varieties. Per pkt. 5c, $\frac{1}{2}$ -oz. 25c, 1 oz. 45c.

My order and my daughter-in-law's, Mrs. Will Dickinson, came this morning. The plants were unusually fine and beautifully packed. Am sure they will be a constant pleasure to us. Thanking you for the prompt attention, I am, yours sincerely, Mrs. W. W. Dickinson, 1608 Battery St. Little Rock, Arkansas.



Antirrhinum—Snapdragon

Snapdragon

The Snapdragons do not receive the attention they deserve. They are undoubtedly one of the best cut flowers which can readily be grown from seed, while for beds or borders they are a constant source of pleasure, being in flower all the time. They succeed best in a rather light soil, in a sunny position.

DWARF MIXED. Plants grow about 12 inches high; many choice colors.

Pkt. 5c, $\frac{1}{4}$ -oz. 20c.

TALL MIXED. Plants grow about 2 feet high. Pkt. 5c. $\frac{1}{4}$ oz. 15c.

Ageratum

(FLOSS FLOWER)

Very showy plants, bloom profusely the whole summer, fine as cut-flowers. Succeed nicely in bed and borders. Half-hardy annuals.

IMPERIAL DWARF BLUE. Large blue flowers, 8 inches high. Per pkt. 5c.

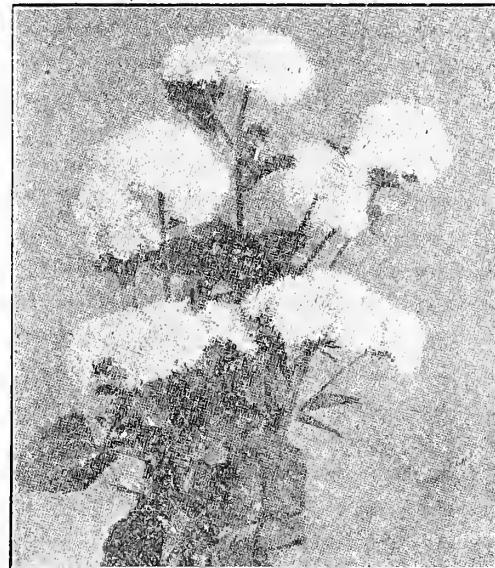
IMPERIAL DWARF WHITE. Large white flowers, rarely exceeds 6 inches in height. Per pkt. 5c.

BLUE PERFECTION. A new and splendid dwarf dark blue bedding variety, the darkest of all blue Ageratums that can be grown from seed.

Per pkt. 10c.

LITTLE DEXIT. Six inches high and one foot through, covered with a mass of azure blue flowers. Per pkt. 10c.

FINEST MIXED. Splendid. Pkt. 5c, $\frac{1}{4}$ oz. 15c.



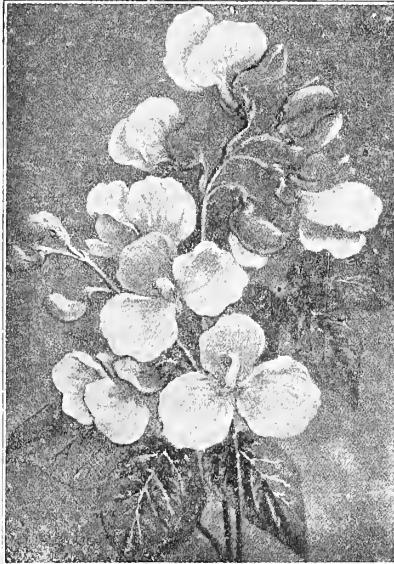
Ageratum

**Young's Large Double Balsams
or Touch-Me-Not**

This is one of the most satisfactory ones on the list. They bloom early and late, from June till frost. Always cheerful and bright, and will grow and bloom anywhere.

ALBA PERFECTA. Large white flowers. Pkt. 5c.

MIXED COLORS. Including white, yellow, pink, etc. Pkt. 5c.



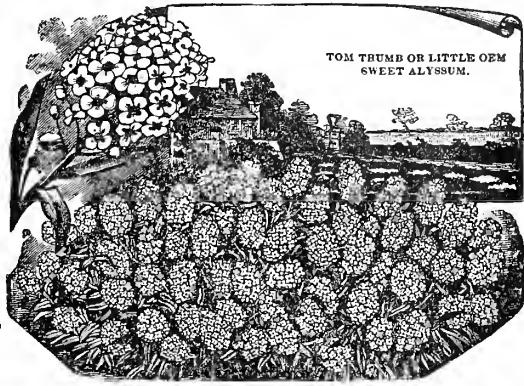
Butterfly Runner Bean

Butterfly Runner Bean

Climber with large pink and white blossoms borne in sprays and produced in the greatest profusion from early summer till frost. The flowers are followed by edible pods as fine as any string beans, thus serving the double purpose of being not only highly ornamental but useful as well. (See cut.) 10c per pkt.



Balsam

TOM THUMB OR LITTLE OEM
SWEET ALYSSUM.

Alyssum—Sweet

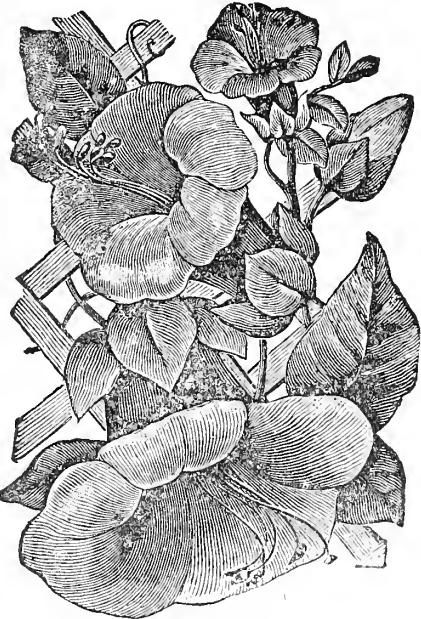
Aquilegia—Columbine

Hardy perennials that bloom freely during spring and early summer.

DOUBLE YELLOW. The flowers, a deep yellow, and are attractive when planted in clumps. Per pkt. 10c.

DOUBLE WHITE. Very free blooming. Per pkt. 10c.

MIXED COLORS. Per pkt. 5c.



Cobaea Scandens

Cobaea Scandens

A half-hardy climbing annual, with large leaves and large trumpet-shaped flowers. The blossom is green until nearly grown, when it turns bright purplish-blue. Grows about 30 feet long, and is very desirable for covering a large lattice. A native of Mexico. Pkt. 10c.

Calendula—Pot Marigold

A showy, free-flowering hardy annual, bearing quantities of bright attractive flowers, fine for cutting. It is in bloom until frost.

MIXED VARIETIES. Including yellow, orange and white. Pkt. 5c.

Canary Bird Vine

This belongs to the Nasturtiums and is a rapid growing, delicate vine with clean, handsome foliage and an abundance of bright canary-yellow blossoms. Grows to a height of 15 to 20 feet. Pkt. 5c.



Calliopsis—California Sunbeam

Balloon Vine (LOVE IN A PUFF)

A rapid-growing, handsome summer climber, having small white flowers, which are followed by seed vessels, shaped like small balloons; succeeds best in a light, rich soil, and warm situation. Per pkt. 5c.

Balsam Apple and Pear

Very curious, rapid and dense climbers, with ornamental foliage and golden yellow fruit, which opens when ripe, showing the seed and blood-red interior. Apple and Pear mixed, pkt. 5c.

Chrysanthemums ANNUAL VARIETIES

Summer blooming annual plants of compact growth and easy culture, producing large quantities of flowers on long stems the entire summer.

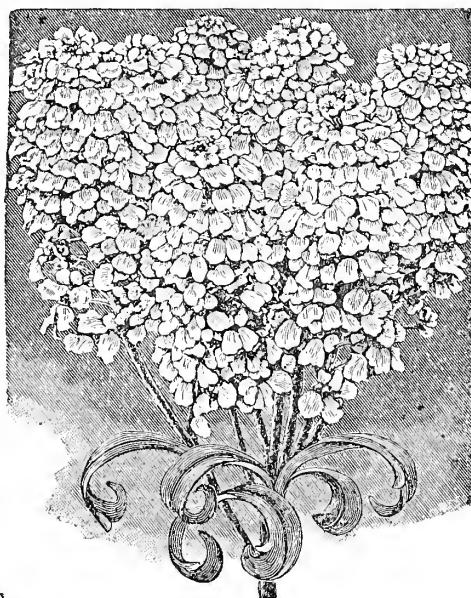
MAXIMA PRAECOX. Forming compact bushes which are perfectly covered with pure white flowers. Per pkt. 15c.

MORNING STAR. A superb Marguerite Chrysanthemum, with immense flowers of an attractive soft yellow or primrose. Height 10 inches. Per pkt. 15c.

CHINESE OR LARGE FLOWERING VARIETIES. Double, from the best name varieties, choice mixed colors. Per pkt. 25c.



Chrysanthemum



Candytuft

Candytuft

LARGE FLOWERING

Highly prized among garden flowers; bears panicles or pyramidal heads of dainty flowers continuously from summer until frost. Among the choicest of old-time flowers; quaint and interesting.

WHITE ROCKET. Pure white flowers. Pkt. 5c., oz. 20c.

QUEEN OF ITALY. A dwarf variety of erect growth; heads thickly set with fine pink flowers. With a little care the plant will live for several years. Pkt. 10c.

GIBRALTARICA. Bears red, rose and white flowers; plant of vigorous growth and entirely hardy. Pkt. 10c.

MIXED VARIETIES. All annuals, many colors. Pkt. 5c., oz. 20c.

Calliopsis, or Coreopsis

One of the easiest grown annual flowers; can be used with fine effect anywhere—in beds, borders or masses. The brilliantly colored blossoms are very showy. Blooms all the time. Sow the seed thinly when weather becomes warm and soil dry. Fine for cut-flowers.

CALIFORNIA SUNBEAM. An improvement over the well-known Lanceolata, having larger and deeper flowers of rich, golden yellow. Pkt. 10c.

GOLDEN WAVE. A compact, bushy plant bearing masses of beautiful golden flowers, often 2 inches in diameter; blooms all summer. Pkt. 5c.

ALL COLORS, MIXED. Pkt. 5c.

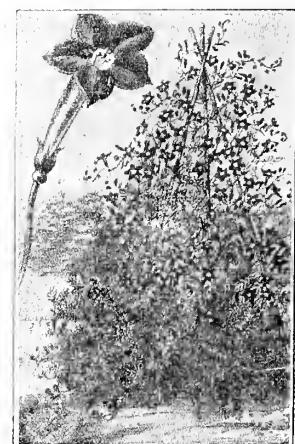
Cockscomb - Celosia

The "flowers" of this plant are a distinct novelty; they consist of gracefully drooping, plump heads, more like a brilliant ostrich feather than anything associated with the popular idea of flowers. In some varieties these come in clusters measuring 10 to 12 inches in length; in others they are smaller, but the coloring is always brilliant and distinctive, especially when planted in groups.

CULTURE. The seed can be sown where they are to bloom if they can be started indoors and transplanted into rich soil about the time the combs begin to form. With the latter treatment the heads will be much larger and finer.

DWARF MIXED. Many colors, such as brilliant red, golden, pink, etc. Pkt. 5c.

TALL MIXED. Pkt. 5c.



Cypress Vine

A beautiful and attractive climber with delicate, finely marked dark green leaves and an abundance of star-shaped crimson and white flowers. The vine grows about 15 feet high. Colors as follows:

SCARLET. Pkt. 5c., oz. 20c.

WHITE. Pkt. 5c., oz. 20c.

MIXED VARIETIES. Pkt. 5c., oz. 20c.

Canna INDIAN SHOT

The well-known and popular large-leaved plants so often used for bedding where handsome foliage effects are desired. Can. be very easily grown from seed; soak the seeds in warm water until they commence to swell and then sow in sandy loam in a hotbed. When up to the second leaf, pot off singly and keep under glass until warm enough to plant outdoors.

TALL VARIETIES. Pkt. 5c.

DWARF VARIETIES. Pkt. 5c.

Plants No. 3625 arrived in good order and condition. They are certainly very satisfactory in every way. Many thanks for the extras. I appreciate your kindness. Very truly yours, Mrs. Geo. Trump, Kahoka Mo., April 30th, 1913.

Young's Mammoth Cosmos

Grace and brilliancy are the characteristics of this pretty flower with its yellow heart encircled with broad, deep petals, growing on long stems which rise from a cloud of feathery foliage. The thrifty plants produce thousands of the most elegant blooms in pure white, pink and crimson shades. As a decorative garden plant its value is inestimable, while as cut-flowers for home decoration nothing is finer, especially as Cosmos are in bloom when other outdoor flowers are getting scarce. Plant the seed directly in the garden as soon as the settled Spring weather comes; or you may start the plants early in a box in the house and transplant them.

WOODSIDE EARLY FLOWERING. The earliest flowering variety in cultivation, blooming fully two months in advance of the Giant Strain seed, sown in open ground in early May, will produce blooming plants in July, and continues a mass of bloom until killed by frosts, and will bloom in any part of the country. It has fern-like foliage, and conspicuous flowers of crimson pink grow about 4 feet tall and bloom freely. The flowers are of good average size, and are borne on long stems well above the foliage.

WOODSIDE EARLY FLOWERING, MIXED. Per pkt. 10c.

Mammoth Perfection Cosmos

GIANT OF CALIFORNIA

A magnificent strain. The individual flowers are of enormous size and the most perfect form, while the colors are richly brilliant. These represent the highest developed types in Cosmos. Will keep a week in water after being cut. We offer you three elegant colors as follows:

PURE WHITE. A splendid large flower. Pkt. 10c.

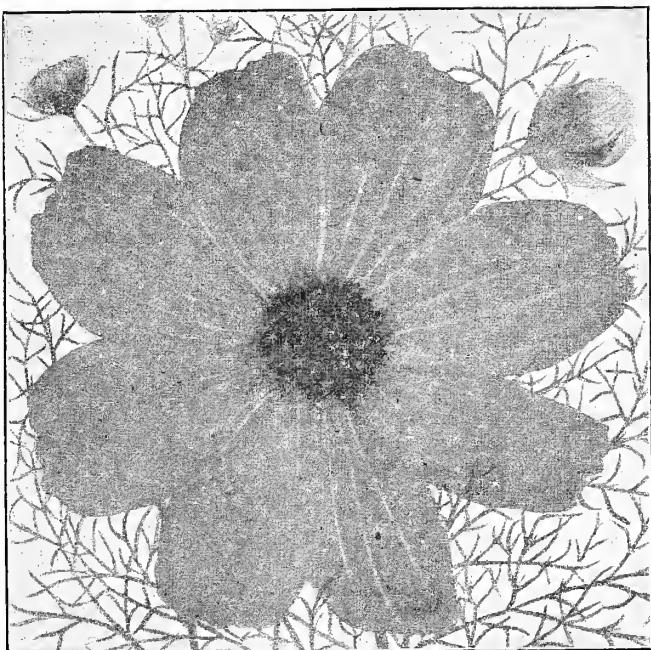
LIGHT PINK. These blooms are truly superb. Pkt. 10c.

CRIMSON. A rich and brilliant shade. Pkt. 10c.

MIXED MAMMOTH PERFECTION. A superb mixture of every color and shade in these splendid Cosmos. Pkt. 10c.

YOUNG'S MIXED. Including many varieties and colors. Pkt. 5c, oz. 50c.

KLONDYKE. A pleasing novelty with orange-yellow flowers. Pkt. 10c.



Mammoth Flowering Cosmos

Centaureas

The various varieties of this popular annual include such favorites as the Bachelor's Buttons or Corn-Flowers, and Sweet Sultans. No garden without them would be a garden. Old-fashioned flowers of the easiest culture, which seem, if it were possible, to become more admired with each year that passes.

BACHELOR'S BUTTONS

(Centaurea Cyanus)

DOUBLE VARIETIES

EMPEROR WILLIAM. This is the rich, deep blue Bachelor's Button, which is so very popular; much used for boutonnieres. Pkg. 5c.

DOUBLE MIXED. Our strain of this splendid annual is especially fine. The true old-fashioned Bachelor's Buttons of your grandmother's garden. (See illustration.) Finest mixed colors. Pkt. 5c, oz. 25c.

Giant-Flowering Sweet Sultans

(CENTAUREA IMPERIALIS)

SINGLE VARIETIES. The very large sweet-scented flowers of this elegant class are the finest of all Sweet Sultans for cut-flowers. The blooms are borne on long stems, and will keep in good condition week after being gathered. Of the easiest growth, and very showy in the garden all Summer long.

MARGARET. The large flowers are purest white, deliciously scented and borne on long stems. Pkt. 5c.

SUAVEOLENS. This is the ever-popular yellow Sweet Sultan; very large and fragrant.

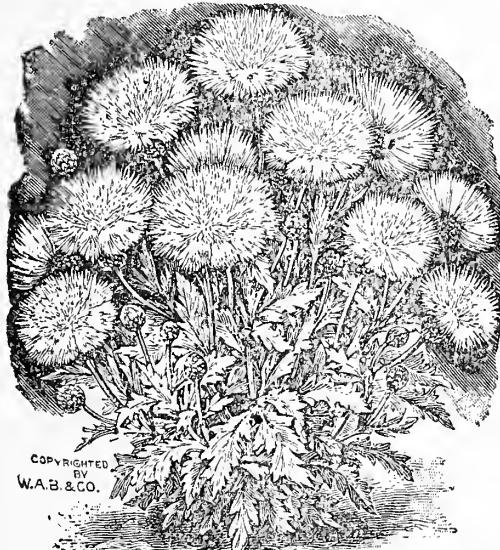
SINGLE MIXED. Per pkt. 5c.

Choice Large Flowering Carnations

The most magnificent of all the Pink family, and universal favorites for their delicious fragrance and richness of colors. Seeds may be sown under glass in Spring, or in open ground, but must be protected in Winter. Half-hardy perennials.

DOUBLE, PERPETUAL FLOWERED. Fine for winter blooming. Seed saved from the choicest double flowers. Per pkt. 15c.

EXTRA CHOICE, DOUBLE MIXED. Seed saved from choicest German and English stocks. A large portion of this seed will produce double flowers. Per pkt. 15c.



Centaurea—Double Corn Flower

The Shasta Daisy

This is the finest of all the so-called moon-penny daisies. It is one of Luther Burbank's hybrids, the result of a cross between the common field daisy and a European sort. It is a perfectly hardy perennial, bearing flowers averaging 4 inches in diameter, on long, stiff stems. It blooms freely for several months, and the flowers remain fresh for two weeks or more after cutting. The petals or rays are pure white. The Shasta Daisy is one of the most useful flowers for bouquets. Packet, 10c.

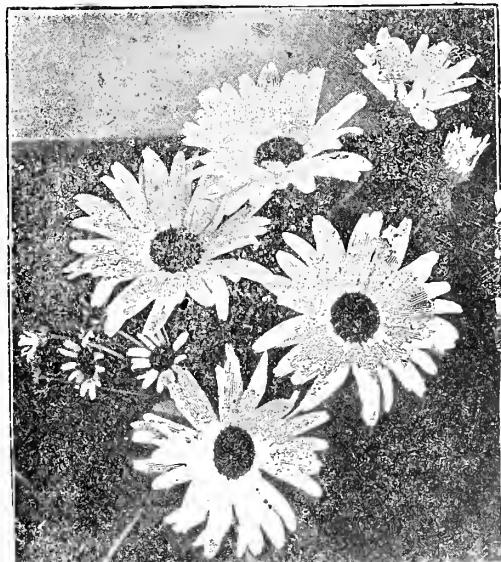
English Daisy

Daisies are easily raised from spring sown seed, and come into flower in a very short time. They thrive best in cool, shady places, but do well in almost any soil. They are very pretty when in bloom and deserve to be grown more universally than they are. Admirably adapted for edgings, borders and well-suited for pot culture.

GIANT RED. Beautiful double flowers in red tints. Pkt. 10c.

SNOWBALL. Best pure white Daisy, on long stem. Pkt. 10c.

DOUBLE MIXED. Embracing all colors. Pkt. 10c.



Shasta Daisy

Hardy Garden or Glove Pinks

This splendid class of hardy perennial Pinks should be in all gardens. They have the delightful clove fragrance.

SCOTCH OR GRASS PINK. When treated like an annual, if seed is sown in March, the plants will bloom the first year. The delicately fringed, variously colored flowers are fragrant, attractive and fine for bouquets. Pkt. 5c.

PERPETUAL BLOOMING PINKS. A new strain of great beauty. Flowers large, round and produced in great abundance; colors are exquisitely delicate, light rose, copper, crimson and flesh predominating. A clove-like odor adds to their attractiveness. Flowers the first season. Pkt. 10c.

The plants and rose bushes arrived yesterday. All were in good condition and we more than appreciate the extra plants and bushes. Yours truly, Mrs. S. F. Kemper Troy, Missouri, May 1, 1913.



Dianthus.

Digitalis

(FOXGLOVES, OR WITCHES' FINGERS.)

The Foxglove in common with all the bardy perennials, is being planted more extensively each season. The large tube-like flowers, which are produced so freely in beautiful spikes, add much to our hardy beds and borders. Being of the easiest growth, and doing finely in partially shaded situations, they fill in many gaps most advantageously. 3 feet.
MIXED. All colors. Pkt. 5c.

Delphinium

HARDY PERENNIAL LARKSPURS. One of our most brilliant and effective hardy garden plants. Of late years so much care and attention has been devoted to their cultivation that the size and colors of the flowers have been wonderfully improved. The splendid spikes of bloom are the admiration of everyone. Persistent bloomers, even in the driest seasons. The perennial varieties will bloom the first year if seed is sown early.

DELPHINIUM, MIXED. This mixture is a selection from the choicest sorts in cultivation. Per pkt. 5c.

Larkspurs

(ANNUAL DELPHINIUM)

These popular garden flowers have been greatly improved of late in color and size of blooms and habit of plants. We offer the best of the newer varieties.

DWARF CHINESE. These are exceedingly pretty garden plants of a compact habit, not over one foot high when in bloom; mixed colors. Per pkt. 10c.

BRANCHING. This variety grows 2 to 3 feet high and bears large spikes of flowers on long stems. Per pkt. 10c.

LARKSPUR, TALL ROCKET, MIXED. Plants large and showy. Per pkt. 5c.

LARKSPUR, DWARF ROCKET, MIXED. Per pkt. 5c.

Globe Amaranth

A dwarf hardy annual with pretty clover-like head of purple, white and red flowers. 12 inches. Flowers can be dried and used in winter bouquets. Finest mixed, reddish-purple and white. Pkt. 5c.



Dolichos—Daylight

Dolichos—Hyacinth Bean

A rapid growing and free-flowering annual climber. The seed pods which follow the flower are very ornamental for covering trellises, arbors, etc. After danger of frost is over, sow the seeds where they are to remain.

DAYLIGHT. A splendid variety from Japan. Large, snow-white flowers. Pkt. 5c. (See cut.)

DARKNESS. Flowers deep reddish-violet or lavender-purple. Per pkt. 5c.

FINEST MIXED. A very choice mixture of all the best climbing varieties. Pkt. 5c., oz. 25c.

Dianthus or Pinks

NEW AND CHOICE VARIETIES

This elegant family contains many of the most valuable and popular flowers in cultivation. All the sorts classed as annuals may be sown directly in the garden as soon as danger from frost in past, and will in a short time become a mass of bloom and so remain all summer. Elegant as cut-flowers for bouquets, as the stems are good. Grow about 1 foot high, and are of easiest culture.

Annual Pinks

SINGLE MIXED. Including many rich shades of Crimson, Pink, Mauve, Salmon, etc. Pkt. 5c.

DOUBLE MIXED. Including choice double-flowering varieties in many fine colors. Pkt. 5c.

JAPANESE. Attractive, distinct flowers of Japanese origin. The petals are deeply cut, finely fringed, much twisted and of various colors—white to deep red. Fine for cutting and thoroughly desirable. Plant grows to be 15 inches high. Pkt. 10c.

Dahlias From Seed

Dahlias are easily grown from seed and bloom the first season. The earlier they are started the better, which can be done nicely in a box in a sunny window or the greenhouse. Some specimens grown from seed are fully equal to many of the named sorts, and there is always the chance of getting some entirely new varieties. The Single Dahlias are being planted more extensively every year; they are quick and profuse bloomers, and their colors are especially rich and brilliant.

Single Dahlias

GIANT PERFECTION MIXED. A gorgeous new strain of immense single flowers, of various beautiful colors, including many charming spotted and striped sorts. Pkt. 10c.

TWENTIETH CENTURY OR ORCHID-FLOWERED. A truly exquisite single Dahlia. Has created a sensation everywhere. Individual flowers are 5 to 8 inches across. Innumerable colors, that have the rich sheen of velvet. We cannot describe their elegance. Pkt. 15c.

Double Dahlias

LARGE-FLOWERING CHOICEST DOUBLE MIXED. This elegant assortment of seed is saved from the most select and perfectly double varieties. Gives perfect results. Pkt. 10c.

Hollyhock

All our seeds of this beautiful plant have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow early.

Double Hollyhocks

DOUBLE WHITE, pkt.	10c.
YELLOW, pkt.	10c.
SALMON ROSE, pkt.	10c.
BRIGHT RED, pkt.	10c.
BRIGHT PINK, pkt.	10c.
MAROON, pkt.	10c.

Extra Choice, Double Mixed
SELECTED STRAIN, pkt. 10c.

Allegheny Hollyhocks

The flowers are of mammoth size and are wonderfully formed of loosely arranged fingered petals which resemble the finest China silk and have none of the formality of the ordinary type. This variety is a perpetual bloomer and has from 2 to 4 buds at the base of each leaf. The buds develop into flowers in rotation, the largest buds first, then the smaller ones until all have become a beautiful mass of bloom. The colors vary from the palest shrimp pink to deep red. Although the flowers are single, they are very beautiful and must be seen to be appreciated. The plants are of strong growth, sending up spikes 6 to 7 feet high. Mixed colors, pkt. 10c.

Ornamental Gourds

Any of the following, packet, 5c.

These are desirable for many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blossoms of some are quite striking and handsome. With all sorts, the fruit is unique and ornamental, and often useful. The small, fancy Gourds are excellent toys for children, while the larger Gourds may be used as dippers, sugar troughs or bowls. Cultivate the same as Melons.

TOWEL GOURD OR LUFFA. Many ladies prefer a dish cloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left.

DIPPER. Makes an excellent dipper.

JAPANESE NEST EGG. Resembling in color, shape and size the eggs of hens, and make the best nest eggs.

MIXED GOURDS. All kinds, including Nest Egg, Dish Cloth, Dipper, Japanese, etc. Pkt. 5c., oz. 20c., $\frac{1}{4}$ -lb. 50c., postpaid.

Received the plants this morning in good condition. We appreciate the extra ones very much. Only hope we are successful in raising them. If we ever want anything else in your line will be sure to send you an order. Respectfully, Miss Anna Heskeet, 208 Monroe St., Jefferson City, April, 1913.



Escholtzia—Mandarin.

Helianthus

(SUNFLOWER)

Hardy annuals, of stately growth, remarkable for the size and brilliancy of their flowers. Very useful as cut-flowers. Effective in forming background of large beds or borders and for distant effect.

NEW MINIATURE. Single, rich golden yellow, with black center. An abundant bloomer, of branching habit, coming into flower in July and continuing until frost. 4 feet. (See cut.) Pkt. 5c.

CALIFORNICUS Fl. Pl. Extra large and very double. Pkt. 5c.

SILVER-LEAVED. Silvery foliage. 5 feet. Pkt. 5c.

Lantana

Popular free-blooming and very rapid growing plants with large flower heads of various colors, which are continually changing their color; emit a powerful aromatic perfume; plants are completely loaded with blossoms, succeeded by berries, which when ripe, turn deep blue. Fine winter-blooming plants. Start seeds in the house or hot-bed. Our mixture contains a splendid variety of colors, especially many of the newer varieties. 1½ feet. Pkt. 5c.



Gaillardia or Blanket Flower.

Gaillardia (BLANKET FLOWER)

These are undoubtedly among the choicest of hardy perennials; the flowers are large, very numerous, excellent for cutting and of the most brilliant shades of orange, crimson, scarlet and vermillion and very often a combination of all these colors in one flower. They require no winter protection, although applications of manure increase their strength. If the seed is sown early they will begin flowering at mid-summer.

GRANDIFLORA. Large flowers, dark crimson centers marked with rings of many brilliant colors. Per pkt. 5c.

GYPSY QUEEN. A fine hardy plant admired by all. The daisy-shaped flowers are red and yellow inside and on long stems. Lasts a good while in bloom, very showy. Pkt. 10c.

FINEST SINGLE MIXED. A very fine assortment of many brilliant colors. Pkt. 5c.

I certainly want to thank you for the rose plants. They are the nicest plants I ever got and am sure proud of them. Respectfully, Mrs. Chas. W. Gutbie, Lawrenceville, Ills., May 2, 1913.

Escholtzia California Poppies

Extremely handsome, low and quick growing annual plants, with finely cut foliage and cheerful blossoms. Nothing can excel the escholtzia in brightness, and it deserves a place in every garden border. Sow seeds in very shallow drills, in the open ground where the plants are to remain. Thin to 8 inches. Bloom begins in a few weeks and lasts until frost. The plant attains a height of 1 foot.

"THE GOLDEN WEST." Flowers measure 3½ to 6 inches across, and are bright yellow and orange. Some are flat and wide open, some saucer-shaped, others very deep with flaring edges. In some the orange blotch almost suffuses the whole flower, in others it runs into the yellow in fine penciled lines. Pkt. 10c.

CRIMSON KING. Flowers are bright crimson, interior dark red. 1 foot high. Per pkt. 10c.

MANDARIN. Inner side of the petals rich orange, outer side brilliant scarlet. Pkt. 5c.

FINEST SINGLE MIXED. All the best varieties. Pkt. 5c.

Gypsophila (BABY'S BREATH)

An elegant hardy perennial plant that should be in every garden. It is not only pretty in beds, but its delicate little flowers produced in feathery white panicles, and branching foliage lend a daintiness to bouquets that is most elegant. Its sprays are much used in making up bouquets of Sweet Peas. Pkt. 5c.

Heliotrope (CHERRY PIE)

Is a universal favorite on account of its delightful fragrance and long duration of bloom, flowering equally well as bedding plants in summer or as pot plants in the house in the winter. It is not generally known that Heliotrope may be raised from seed as easily as the Verbena.

ALL SORTS MIXED. This mixture contains, in best assortment, all shades, both light and dark. A very desirable strain. Pkt. 10c.

Hibiscus

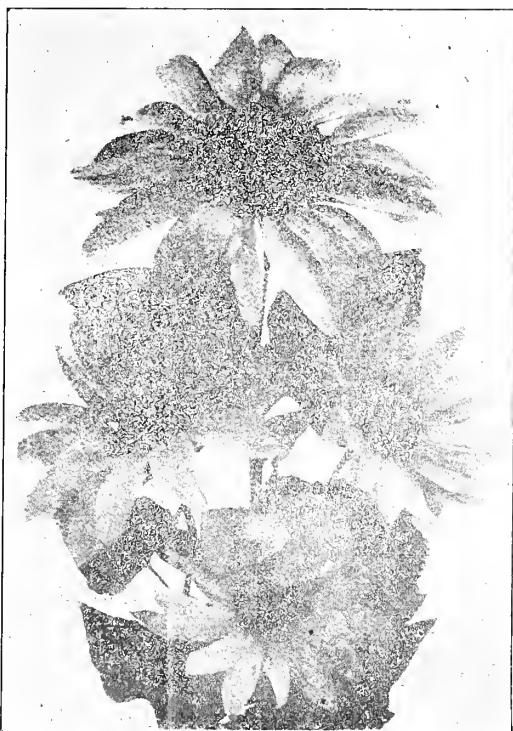
(MARSHMALLOW)

Tall growing and especially adapted to backgrounds and shrubbery borders. Of the easiest culture, and bloom the entire season. Flowers are of enormous size. Plants grow 4 to 5 feet tall.

FINEST MIXED. Splendid. Pkt. 10c.

Echinocystis

WILD CUCUMBER VINE. A well-known vine, common in many sections and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat but retaining its fresh and lively green color; never infested with insects, and very profuse in bloom. It will sow itself and come up in the same place. Pkt. 5c.



Helianthus—New Miniature

Imperial or Giant Japanese Morning Glories

The flowers are of gigantic size, and the colorings and markings beyond description, ranging from snow-white to black-purple, with all the possible intermediate shades, such as pink, rose, fiery red, copper red, carmine, crimson, pale blue, deep blue, royal purple, maroon, indigo, bronze, slate, brown, cherry and ash gray. Others are edged with white, having throats of one of the above colors; there is also an endless number having flowers spotted, marbled, striped, flaked and splashed. They are beyond question the largest and most beautiful of this handsome family of easy grown climbers and are the Orient's best gift to flower lovers. Wherever climbers can be grown, our New Giant Mikado strain should have a prominent place. (See Cut.)

IMPERIAL JAPANESE MIXED. Per pkt. 10c, oz. 35c.

IMPERIAL JAPANESE MIKADO. Pkt. 10c, oz. 35c.

MORNING GLORY

MORNING GLORIES. The Morning Glory is too well-known to need description, but one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers to rejoice over and admire every morning where these are grown, as they will succeed under almost any circumstances.

TALL MIXED. A great variety of colors of the old-fashioned, popular climber. Pkt. 5c, oz. 10c.

New Double Morning Glory

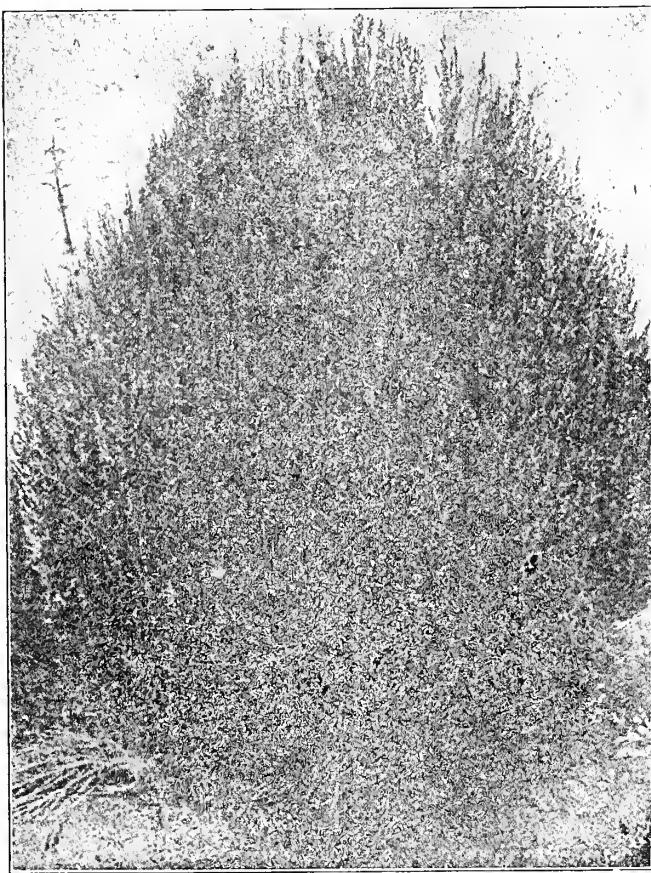
DOUBLE WHITE TASSEL

This Double Morning Glory will be greeted as a welcome addition to this class of plants. It is of rapid growth, producing its large double flowers very freely. They are of beautiful form and delicate coloring, being white with a slight shading of red or hue at the base of the larger petals. Seeds should be sown as early as ground can be worked in the spring, or may be sown in the house and transplanted outside as soon as weather permits, so that a long season of beautiful flowers may repay you. Pkt. 10c.

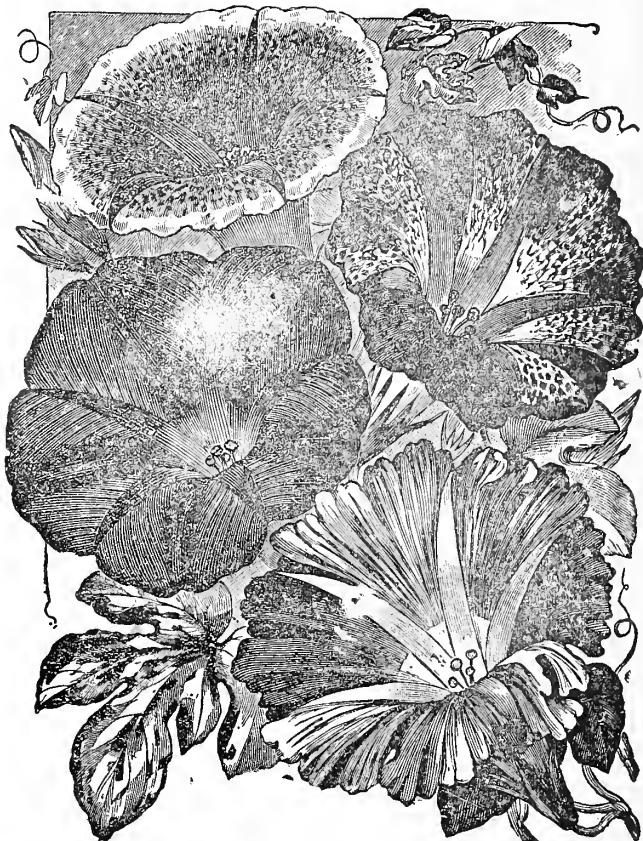
LATHYRUS

HARDY OR EVERLASTING SWEET PEAS. Perfectly hardy and very handsome free-blooming climbers, with clusters of elegant sweet-pea like blooms, which are produced in the greatest profusion. They come up year after year, and also bloom earlier than other Sweet Peas. Especially suitable for covering arbors and trellises.

MIXED. All colors. Per pkt. 5c.



Kochia—Summer Cypress or Fire Bush



Imperial Japanese Morning Glory

MOONFLOWERS (*Impomoea Noctiflora*)

No one who has a trellis or arbor to cover should neglect to plant The Moonflower—the most rapid-growing of all annual climbing vines. The vines are literally covered with thousands of immense, pure white fragrant flowers, opening in the evening and remaining open until noon the following day, and if cloudy all day, many of them measuring over seven inches across. Planted in rich ground, in a sunny situation, and given plenty of water, the vines attain a height of seventy-five feet. Pkt. 10c.

HEAVENLY BLUE. A splendid climber, either for the conservatory or outdoors. Flowers large, light blue with yellow throat. Produced in clusters; foliage, large, heart-shaped. Pkt. 10c.

SETOSA. (Brazilian Morning Glory.) A rapid grower, producing large clusters of rose-colored flowers. The vines are covered with short, reddish hairs and at frequent intervals clusters of curious seed pods are formed. Pkt. 10c.

LEARI. (Blue Dawn Flower.) Splendid bright blue; grows in large clusters. Pkt. 10c.

MESEMBRYANTHEMUM

(ICE PLANT)

A very pretty trailing annual that has fleshy, wax-like leaves which have the appearance of being covered with ice crystals. Splendid for rock-work, vases or hanging baskets. Its flowers are white. Start the seed early in the house, and transplant into a light soil and warm situation in the garden. Pkt. 5c.

LOBELIAS

Annual plants of dwarf compact growth, four to six inches in height, covered with numerous small star-like flowers. Very pretty when grown as an edging for flower-beds, also for hanging-baskets and vases, and as house plants in pots in winter. Seed should be sown in boxes in a warm sunny window, or in shallow drills outdoors when the trees are starting out in leaf, barely covering the seed from view.

CRYSTAL PALACE COMPACTA. Best dark blue sort for edgings and carpet bedding. Pkt. 10c.

MIXED COMPACTA SORTS. A very fine mixture of all the best varieties for edgings and hedging. Pkt. 5c.

KOCHIA

SUMMER CYPRESS OR MEXICAN FIRE BUSH. This splendid annual plant grows very quickly from seed sown in the open ground as soon as the weather permits in spring. The plant always makes attractive globe-shaped bushes, as large sometimes as 3 feet high and 2 feet across in one season. (See illustration.) Leaves slender and of a light peagreen color until September, when they turn to carmine and blood red; at the same time the ends of the shoots are thickly set with small bright scarlet flowers and produce a very striking effect. Pkt. 10c.

The plants you sent me are to hand in fine condition. You have always done me fair, but you have outdone yourselves in this order. Many thanks. Yours truly, J. A. Mumpower, Shelbyville, Mo., Oct. 21, '12

Mignonette

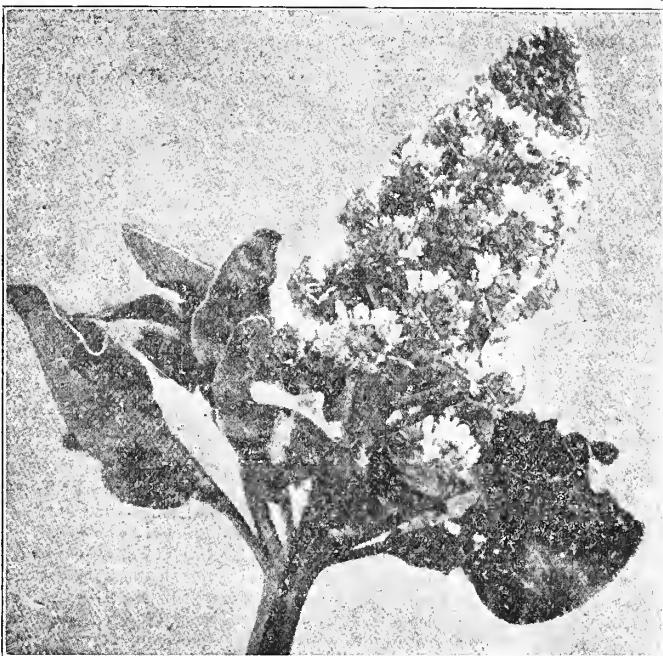
(RESEDA)

A great favorite with all flower lovers on account of its delicious fragrance. No garden is complete without a bed of Mignonette. Sowing should be made early in spring and again in August, so as to have a succession of bloom the whole season.

MACHET. Adapted for pot culture; dwarf pyramidal growth, bearing numerous flower stalks; highly colored and very fragrant. Pkt. 5c.

GOLDEN QUEEN. An ideal Mignonette. Enormous spikes. Flowers of a beautiful orange color, very fragrant. Pkt. 5c.

SWEET-SCENTED RESEDA ODORATA. The old-fashioned variety with small spikes, but the most sweetly scented of all. Pkt. 5c, oz. 15c.



Japanese Kudzu Vine

(Jack and the Bean Stalk)

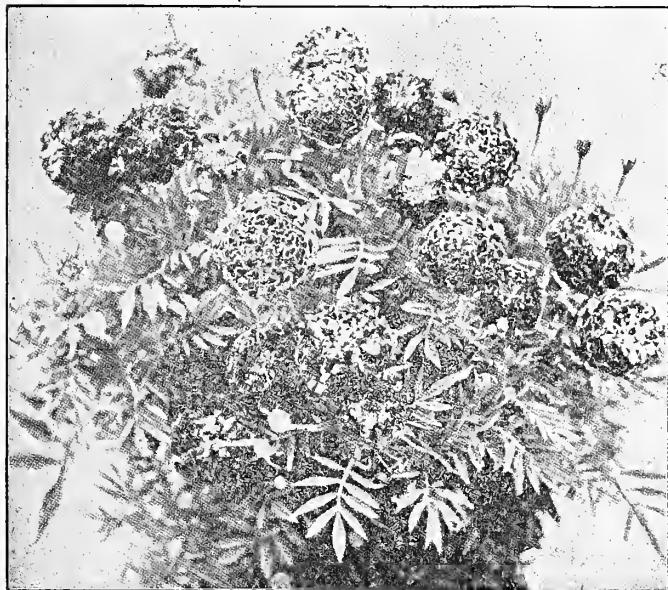
AN ORNAMENTAL AND RAPID GROWING CLIMBER. Experience abundantly proves the Kudzu Vine to be a highly interesting novelty. It comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome flowers. The blossoms are large and in panicles somewhat like wistaria, but larger in size and with better clusters. The color is of a pleasing shade of purple. The foliage is luxuriant, somewhat like the leaf of a bean. The vine is extremely rapid and dense in growth, making the Japanese Kudzu Vine of great value where a quickly produced shade is wanted. An eminent horticulturist and prominent landscape designer has it growing over the front of his house, and pronounces it a veritable "Jack and the Bean Stalk" vine. It is perfectly hardy, increasing in size and beauty year after year. Pkt. 10c. 3 ppts. 25c.

Marigolds, French Dwarf

This dwarf compact type is very attractive, each plant being covered with hundreds of small bright flowers.

DWARF GOLD STRIPED. Velvety maroon, striped gold. Pkt. 5c.

YOUNG'S SPECIAL MIXTURE DWARF MARIGOLDS. Pkt. 5c.



Marigold-Grandiflora Striped

Young's Superb Marigolds

These old-fashioned favorites are annuals of the very easiest culture. Both the French and African classes are very effective; the former have the small, velvety flowers, in pretty combinations of yellow, brown, maroon, and striped effects; the African sorts are the enormous flowered ones, in very showy orange and lemon shades. (See illustration.) Both kinds are most popular for beds and borders, and planted in large blocks are gorgeously attractive. They bloom profusely all summer. Start the seed early in a box in the house, or plant directly in the garden when the weather is warm. Fine as cut flowers. French sorts make nice pot plants.

African or Tall Marigolds

EL DORADO. Double flowers of enormous size. Per pkt. 5c.
AFRICAN DOUBLE, MIXED. All varieties. Per pkt. 5c.

Marvel of Peru, Four O'Clocks

This is another good old-fashioned flower. This plant bears hundreds of flowers during the season, of white, yellow, crimson and violet, some varieties combining two or more of these colors in spots, flakes and splashes in such manner as to give the flowers a most "bizarre" effect.

FOUR O'CLOCKS MIXED. Includes variegated sorts. Pkt. 5c. oz. 10c, $\frac{1}{4}$ -lb. 20c.

Mignonette—Machet PETUNIA

DOUBLE MIXED. A careful selection of the best, large-flowering and fringed double Petunias. Our seed is saved from carefully hand-fertilized flowers, grown in pots. It is well-known, of course, that not all the flowers in any so-called "double-collection" will really come double, but ours run 20 to 30 per cent, and the balance are very handsome single flowers. Pkt. 25c.

GIANTS OF CALIFORNIA. Enormous flowers, sometimes 4 or 5 inches across; deeply veined and ranging in color from pure white to crimson, lavender, pink, etc. Pkt. 15c.

SNOWBALL. A very choice single variety of compact growth bearing pure satiny white flowers all summer. Pkt. 10c.

DWARF INIMITABLE. The "Star Petunia," with cherry-red flowers, white centered. Pkt. 10c.

SINGLE MIXED. Many very desirable colors; decidedly choice. Pkt. 5c, oz. 40c.



Petunia—Giant of California

The roses have been received all right. Many thanks for such nice plants. Respectfully, Mrs. Albert H. Foster, 603 E. Pearl St., Jerseyville, Ills., Dec. 3rd, 1914.

Young's Exquisite Poppies

SINGLE POPPIES

Few garden flowers excel the Poppy in popular favor. Its freedom of growth, beauty and lovely showiness make it an ideal garden flower.

Annual Poppies should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Sow very thinly, barely covering the seed. Press down firmly, and they will come up in a few days. It is well to make several sowings at intervals to keep up a succession of bloom. If picked just before expanding the flowers will last several days.

POPPY, GLAUCUM (Tulip Poppy.) A strikingly beautiful effect is produced by a bed of these brilliant scarlet poppies in full bloom, the colors being of such glowing richness as to perfectly dazzle the eye. Pkt. 5c.

DANE BROG, OR DANISH CROSS. Very showy variety, producing large single flowers of brilliant scarlet, with a silvery-white spot on each petal, thus forming a white cross. Pkt. 5c.

YOUNG'S SHIRLEY POPPIES. These are considered by many the most charming poppies in cultivation. The individual flowers are large and elegant, mostly single blooms, with some semi-double and double ones. The exquisite colors range from the purest white to deepest blood-red; through all shades and combinations of pink, rose, crimson, carmine and endless markings. No two flowers are ever alike. They are truly grand, and will give the most gorgeous effect to your garden. (See illustration.) Pkt. 5c.

CARDINAL. The plants grow about sixteen inches high, with deeply cut dark-green foliage; enormous double glowing cardinal-scarlet flowers. Pkt. 5c.

YOUNG'S PEERLESS MIXTURE. This mixture consists of a combination of the finest single flowering Poppies in an endless variety of the most brilliant and delicate colors. When planted in large beds it produces a gorgeous display. Per pkt. 5c, oz. 25c.

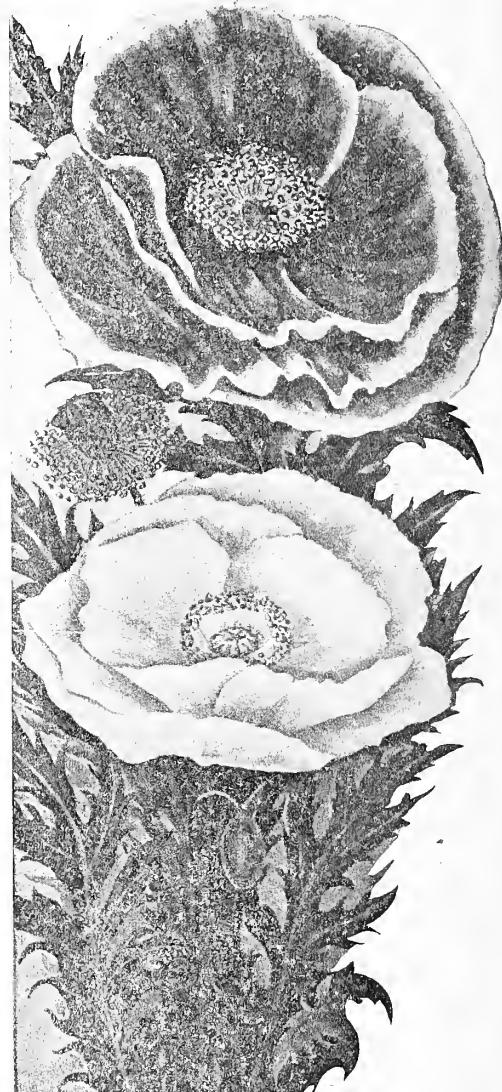
SCARLET FIELD POPPY. The single Poppy so much admired by tourists in Europe, where it abounds on the railroad banks and in the fields. Pkt. 5c, oz. 25c.

Young's Giant Double Mixed Poppies

A dazzling mixture of beautiful double Poppies, including only the improved double-flowering kinds of the richest and brightest colors as well as the daintiest and softest tints. When grown in masses, it is brilliant beyond description. The plants are sturdy, thrifty growers, from two to three feet high, producing immense flowers, sometimes four inches in diameter. Some have fringed edges, while others have broad, round petals. The variety of color is truly wonderful, including, as it does, the most gorgeous shades; striped, blended and rayed in innumerable tints, down to purest white. Sow the seeds in the early spring in sandy soil where they are to remain. In dazzling mixture. Pkt. 5c, oz. 35c.



Phlox Drummondii Grandiflora



The Shirley Poppy

PHLOX

We do not believe that anything can excel the Phlox Drummondii for potting, edging, or massing; the colors run from pure white to deep reds and purples. Sow seed in the open ground any time after the weather gets warm enough, or sow in hotbed and transplant; either way you will get brilliant displays all summer, although they will, of course, commence earlier if started in hotbeds. Set the plants a foot apart.

We offer the following named varieties of Drummondii Grandiflora, which matures large, finely developed heads of bloom in splendid display.

White	Deep Rose	Purple
Pink	Blood-Red	Crimson

Price of the above, pkt. 10c.

SPECIAL OFFER. One packet each of the above collection of 6 colors, 30 cents.

CHOICE MIXED SEED OF ABOVE. Pkt. 10c, oz. 75c.

DWARF MIXED PHLOX, LARGE-FLOWERING. The flowers are as large as the finest Grandiflora, but the plant is of dwarf, compact growth. A splendid combination of coloring. Pkt. 10c.

STAR-SHAPED. The petals are long and pointed, forming a perfect star; plants dwarf and compact. Our mixture contains many showy colors; fine for bouquets. Pkt. 10c.

HARDY, MIXED VARIETIES. Choice selection of colors. Pkt. 10c.

The geraniums came all safe a few days ago. Many thanks for such nice plants. Yours respectfully, Mrs. Albert H. Foster, 603 E. Pearl St., Jerseyville, Ills., May 14, 1913.

YOUNG'S SPLENDID NASTURTIUMS

Choice Named Varieties and Popular Priced Mixtures



Tall Nasturtiums

Nicotiana

Sweet-Scented Tobacco Plant

AFFINIS. Flowers tubular and deep throated; pure white and very fragrant, especially after sundown. If plants are potted and taken indoors they will bloom all winter. Pkt. 5c.

Nigella

Love-in-a-Mist

This popular old-fashioned plant bears odd, cornflower-like blossoms and peculiar seed-pods closely surrounded by its finely cut, delicate leaves, of various colors.

MIXTURE. Pkt. 5c.

The Nasturtiums I got from you were fine; all colors. Will have some more next spring. Mrs. A. M. Ellet, Monroe City, Mo., Route 3.

These are about as satisfactory flowers as you can plant. They will grow and bloom anywhere, and in fact do better in thin, poor soil than in rich dirt. These come into bloom early and stay until frost kills them. Colors are all shades of red and yellow. The climbing sorts are fine to train up to a window.

Tall, or Climbing Nasturtiums

TALL KING THEODORE. Deep crimson-maroon, so velvety that it is almost black; has dark foliage. One of the best sorts. Pkt. 5c, oz. 15c.

TALL PEARL. Nearly white; makes a fine contrast. Pkt. 5c, oz. 10c.

TALL SCHEUERIANUM. Straw colored, striped brown. Pkt. 5c, oz. 10c.

ATROPURPUREUM. Rich pink. The richest of all pink Nasturtiums. Pkt. 5c, oz. 10c.

DUNNETT'S ORANGE. Deep orange, marked with crimson blotches. Pkt. 5c, oz. 10c.

HEMISPHAERICUM. The plants are closely rounded, with very large foliage.

Flowers in different shades of orange-salmon and scarlet. Pkt. 5c, oz. 10c.

COCCINEA. A glowing, flaming scarlet, intense and vivid; the largest of its color; of splendid substance and beautiful form. Pkt. 5c, oz. 10c.

LUTEUM. Mammoth flowers, frequently $3\frac{1}{2}$ inches in diameter; borne on long, strong stems well above the foliage. Color yellow. Pkt. 5c, oz. 10c.

The Above Collection of Eight Varieties for 25c.

MIXED TALL NASTURTIUMS. There is no flower of which you need seed in larger quantities for liberal plantings than tall, or climbing Nasturtiums. For the low price, this mixture is very choice. Pkt. 5c, oz. 10c.

Lobb's Climbing Nasturtiums

Both foliage and flowers of this class are somewhat smaller than the tall varieties, but the splendid profusion of bloom and the intensely brilliant colors of the flowers render them of the greatest value. 12 to 15 feet.

ASA GRAY. The lightest color of all Nasturtiums; pale sulphur yellow. Pkt. 5c, oz. 15c.

BRILLIANT. Dark foliage, with flowers of a glowing scarlet. Pkt. 5c, oz. 15c.

SPITFIRE. Most glowing scarlet; wonderfully profuse in bloom. Pkt. 5c, oz. 15c.

NAPOLEON III. Very rich orange-yellow with garnet blotches at base of petals. Pkt. 5c, oz. 15c.

CHAIKIANUM. Flowers of an intense orange-scarlet and faint lines at base; lower petals heavily fringed at throat. Pkt. 5c, oz. 15c.

ROI DES NOIRS. Both flowers and foliage are of a rich dark coloring, the flowers being a deep rich velvety crimson. Pkt. 5c, oz. 15c.

The Above Collection of Six Varieties for 25c.

LOBB'S FINEST MIXED. This mixture is composed of the most distinct varieties in this grand free-flowering type. Planted in masses it will produce most gorgeous and showy effects. Per pkt. 5c, oz. 10c.

New Dwarf or Tom Thumb

The Dwarf, or Tom Thumb Nasturtiums, growing as they do, about one foot in height and very compactly, are universally used for heds, borders and massing, being very readily confined to any required space. They thrive under all weather and conditions, and always make the most glorious displays of rich and brilliant flowers.

AURORA. Blooms a most brilliant chrome-yellow, the two lower petals veined and blotched with carmine. Pkt. 5c, oz. 10c.

LADY BIRD. A very handsome golden-yellow; barred on each petal with a broad vein of ruby-crimson. Pkt. 5c, oz. 10c.

DAWRF PEARL. Creamy-white; very desirable. Pkt. 5c, oz. 10c.

CRYSTAL PALACE GEM. Sulphur-yellow, spotted with carmine. Pkt. 5c, oz. 10c.

EMPEROR OF INDIA. A very compact growing sort, having purplish-green leaves; the flowers are fiery crimson. Pkt. 5c, oz. 15c.

GOLDEN KING. A rich orange-yellow. Foliage dark. Pkt. 5c, oz. 15c.

KING OF TOM THUMBS. Glowing, darkest scarlet flowers; foliage very dark green. A most rich and brilliant variety. Pkt. 5c, oz. 15c.

CLOTH OF GOLD. Compact plants, with bright golden-yellow leaves and brilliant scarlet flowers. Pkt. 5c, oz. 10c.

The Above Collection of Eight Varieties for 25c.

YOUNG'S SPLENDID MIXTURE OF THE FINEST DWARF NASTURTIUMS.

This is our best mixture of the dwarf varieties. It is composed exclusively of the most elegant, large-flowered sorts, and the brilliantly colored flowers range through every shade and tint known in this favorite annual. This seed will produce a bed or border gorgeous beyond description. Large pkt. 5c, oz. 10c.

Madam Gunther Hybrid Climbing Nasturtiums

These are of French origin, and for rich and striking colors are not surpassed by any class of climbing Nasturtiums. The foliage is mostly dark and contrasts very effectively with the rich colors. They are continuous bloomers. It is impossible to describe all the different colors, but some of the most striking are as follows: White, shaded carmine on the edges, with deep maroon throat; golden-yellow, shaded brown on edges; yellow, shaded and mottled with carmine; white, with red blotches; shrimp pink, with deep maroon throat; shrimp pink, self-color; rose, bright rose, bright yellow orange, etc. Large pkt. 5c, oz. 15c, $\frac{1}{4}$ -lb. 40c.

Giant Dwarf Nasturtiums

(VARIEGATED FOLIAGE)

QUEEN OF TOM THUMB. Variegated foliage, rich crimson flowers. Per pkt. 10c.

BLACK PRINCE. Flowers blackish purple. Per pkt. 10c.

Beautiful Pansies

Young's Mammoth Strain

Every one is fond of Pansies, and every one, rich or poor, should have a bed of them. They are easily grown and a constant delight. Plant early in the spring, either out doors or in the hotbed. Will do well almost anywhere, but do best in a cool place, a trifle shaded. We have the very best German, French and English seed, and for size and brilliant coloring you cannot beat it anywhere.

Giant Trimardeau Pansies

The flowers in the following Trimardeau collection are fully twice as large as the ordinary Pansies; in color, texture and formation we do not believe anything has ever been offered to equal them.

ADONIS. Very bright red.

VIOLET-BLUE. Dark marine-blue.

GOLDEN QUEEN. Clean, spotless yellow.

FIRE KING. Dark maroon.

BLACK PRINCE. Dark velvety; almost black.

STRIPED. Yellow and red.

WHITE. Blue blotches on white ground.

LORD BEACONSFIELD. Purple, shading to white.

EMPEROR WILLIAM. Royal purple.

VIOLET AND GOLD. Very fine.

MARGINED. Purple, edged with white.

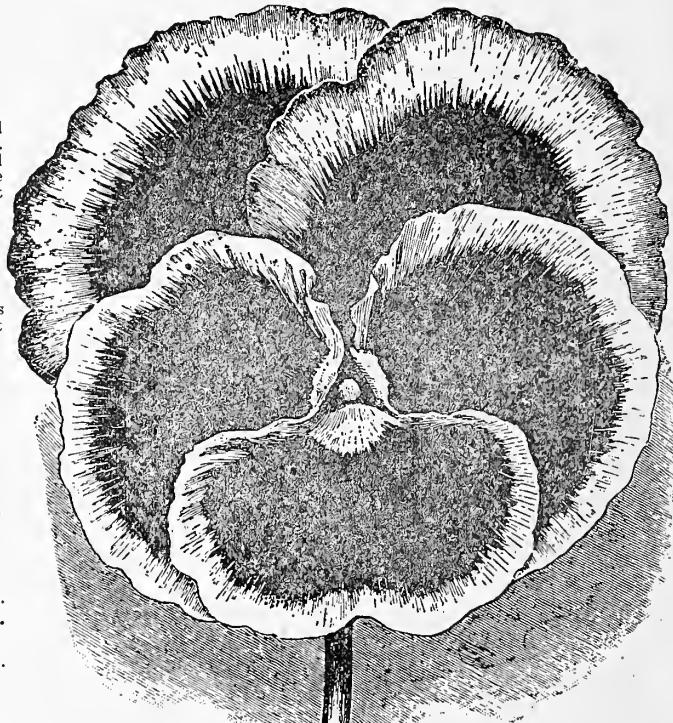
YELLOW PRINCE. Yellow with black centers.

Price of any of the above varieties of Trimardeau Pansies, Pkt. 10c.

SPECIAL OFFER. One packet of each of the above 12, 75c.

TRIMARDEAU MIXED. A choice assortment of the above colors. Pkt. 10c, 1/8-oz. 50c.

LARGE-FLOWERED PANSY MIXTURE. Pkt. 5c, 1/8-oz. 35c.



Trimardeau Pansy

Smilax

A charming tender perennial climber for house or for greenhouse culture. Forms "strings" six feet or more long, which are extensively used for decorating; and is also grown in immense quantities by florists. Foliage and stems a pleasing light waxy-green; very graceful and delicate; remains fresh several days after being cut. Soak seeds twenty-four hours in hot water before sowing. Per pkt. 10c.



Portulaca

Popular hardy annuals, producing flowers of almost every hue in the greatest profusion; succeed best in warm, sunny places, and will hardly ever suffer for the want of moisture. When other plants are dying for the want of water, this little beauty will continue blooming freely.

Should be sown in every garden. Scarcely any annual in cultivation makes such dazzling display of beauty as a bed of highly-colored, many-hued Portulacas. In bloom from July until frost. Blooms of double varieties are about one and one-half inches across, of many colors, and remain open all day. The plants grow about six inches in height.

SINGLE VARIETIES, MIXED COLORS. Per pkt. 5c, oz. 40c.

DOUBLE ROSE-FLOWERED PORTULACAS. Saved from the finest double flowers only and will produce a large percentage of doubles. Per pkt. 10c.

Sweet William

(*Dianthus Barbatus*)

A splendid old-fashioned plant, producing its large heads of beautifully colored sweet-scented flowers in great abundance. The seed can be planted in the spring, in open ground, or can be sown in August and will make fine plants for spring. Young plants do better so seed should be sown every year.

DOUBLE MIXED. This mixture you will find of very superior quality, containing all colors and shades. Pkt. 5c.

SINGLE MIXED. A very choice assortment of all the best single flowering varieties. Pkt. 5c.



Sweet Williams

Platycodon

(CHINESE BELL FLOWER)

A hardy perennial, growing 1½ feet high and bearing double deep-blue blossoms in profusion all summer.

MIXED COLORS. Per pkt. 10c.

Your order 7180 came in fine order. Bulbs are very fine and are growing. I thank you for the extras. Respectfully, Miss Mary Donan, Palmyra, Mo., Oct. 7.



Spencer Sweet Pea

Young's Popular Collection of Sweet Peas

DOROTHY ECKFORD. Flowers pure white; very large, formed like a lovely shell; a vigorous grower.

KING EDWARD. The best dark red yet introduced; flowers very large and of an intense crimson shade.

OTHELLO. Large, grand, hooded flower of handsome maroon.

ADMIRATION. Large flower of perfect form; delicate rosy lavender.

BLANCHE FERRY. The popular and reliable pink and white.

BLANCHE BURPEE. Flowers large, pure white, exceptionally well formed.

AMERICA. Striped blood-red.

HON. F. BOVERIE. Deep pink, shading lighter at edges.

LOTTIE ECKFORD. White, edged lavender-blue.

LADY NINA BALFOUR. Large, wide-open flowers of delicate lavender.

Price of any of the above varieties, pkt. 10c, oz. 20c, $\frac{1}{4}$ -lb. 60c, lb. \$2.

SPECIAL OFFER. One pkt. each of the above 10 distinct colors, 50 cents.

Young's Popular Mixture of Sweet Peas

Well proportioned as to colors; made up by carefully arranged formulas from lists which we have been using for many years. This mixture includes many of the best new varieties. Oz 15c, $\frac{1}{4}$ -lb. 50c, lb. \$1.50.

The bulbs arrived in fine condition. Many thanks for extras. Am well pleased with the roses I bought of you one year ago as I have them in bloom till killed by frost. Mrs. I. T. Hume, Knobnoster, Mo.

Sweet Peas

Sweet Peas are probably the most popular flowers in America. They are loved by every one, both for their beautiful coloring and for their delightful fragrance.

Plant very early in the spring, as early as you can work the soil. They will grow in any good garden ground where you could raise ordinary garden peas. They cannot stand heavy shade nor extreme dry weather, but should have good ordinary or rich soil, true sunlight and plenty of moisture.

Named Spencer Sweet Peas

In this we have a new class of Sweet Peas which has attracted a great deal of attention for the last two or three years. Flowers of enormous size with both standard and wings waved, fluted and frilled, while the flowers are so loosely and gracefully set on the stems that they at once show their superiority to the older kinds. The vines are healthy and vigorous, growing taller than the ordinary varieties. The perfectly formed blooms often measure two inches across. The original variety, called Countess Spencer, which originated in England, varied somewhat in color, but by selection and improvement of these variations a considerable list of beautiful varieties has been produced.

AURORA SPENCER. Wonderfully delicate and dainty; striped and flaked with salmon and orange on pure white ground. Pkt. 10c.

APPLE BLOSSOM SPENCER. Unusually large, even for the Spencers; standards, bright rose, wings primrose; fluffy and wavy. Pkt. 10c.

DAINTY SPENCER. Clear white, shaded buff-pink, and brightly edged with soft pink. Pkt. 10c.

KING WHITE SPENCER. A perfect white Spencer Sweet Pea. The standards are of immense size of bold expanded form, yet exquisitely waved. 10c.

MARGARET MADISON SPENCER. A beautiful self-colored azure-blue, very vigorous grower. 10c.

CAPTAIN OF THE BLUES SPENCER. Standard purple, wing bright blue. A decided new color in Spencers. 10c.

KING EDWARD SPENCER. Immense flowers often measuring 2 inches across, wings unusually large. Color a beautiful crimson-scarlet. 10c.

SPECIAL OFFER. One pkt. each of the above 7 superb varieties, 50c.

COUNTESS SPENCER HYBRIDS MIXED. This is the wonderful new orchid-flowering race of Sweet Peas which has created such a sensation the last two or three years and originated a new class of Sweet Peas.

The flowers are of a very large size, frilled and ruffled at the edges, and generally three or four blooms to a stem. They are different from any other type of Sweet Peas, and we think are much finer. There is a wide range of color, mostly in soft, delicate shades. Pkt. 10c, oz. 35c, $\frac{1}{4}$ -lb. \$1.00.

Young's Ideal Collection of New Sweet Peas

PRIMROSE SPENCER. A distinct primrose or cream-yellow all over the flower. Pkt. 10c.

TRUE COUNTESS SPENCER. Immense flowers gracefully formed; colors ranging from light to deep pink, delightfully shaded with orange and white. We have developed our strain of this variety very carefully and find that our seed is more or less liable to change in flowering; however, all the colors are most delightful and you certainly cannot go wrong in purchasing our seed. Pkt. 10c.

WHITE SPENCER. Pure white flowers, large and beautifully formed. Pkt. 10c.

TENNANT SPENCER. A giant flower of good Spencer form. The color is a curious purplish mauve.

OTHELLO SPENCER. One of the finest dark Spencers. Both wings and standard are beautifully waved. The deep rich maroon flowers are borne very profusely.

FLORENCE NIGHTINGALE SPENCER. Charmingly soft, yet rich lavender enlivened by a very faint sheen of rose-pink. Wings large well-spread, frilled and waved. 10c.

SPECIAL OFFER. One each of the above varieties, 40c.

SWEET PEAS, Continued

Young's Superb Collection of Sweet Peas

MRS. JOSEPH CHAMBERLIN. The standard, reliable pink.
 KATHERINE TRACY. Soft pink standards, with lighter pink wings.
 GRAY FRIAR. Deep lavender, on white ground.
 STANLEY. Large glossy maroon flowers.
 COUNTESS OF CADOGAN. Purple standards, clear blue wings.
 AGNES JOHNSON. Light pink-buff and creamy blue.
 SADIE BURPEE. Very large, pure white, showy flowers.
 FIREFLY. Large, bright scarlet flowers.
 LADY GRISEL HAMILTON. Light lavender flowers, daintily hooded.
 AURORA. Extra-large flowers, striped orange and white.
 Price on any of the above varieties of Sweet Peas, Pkt. 10c., oz. 20c.
 SPECIAL OFFER. One pkt. each of the above 10 superb varieties of Sweet Peas, 50c.

Young's Popular Mixture of Sweet Peas

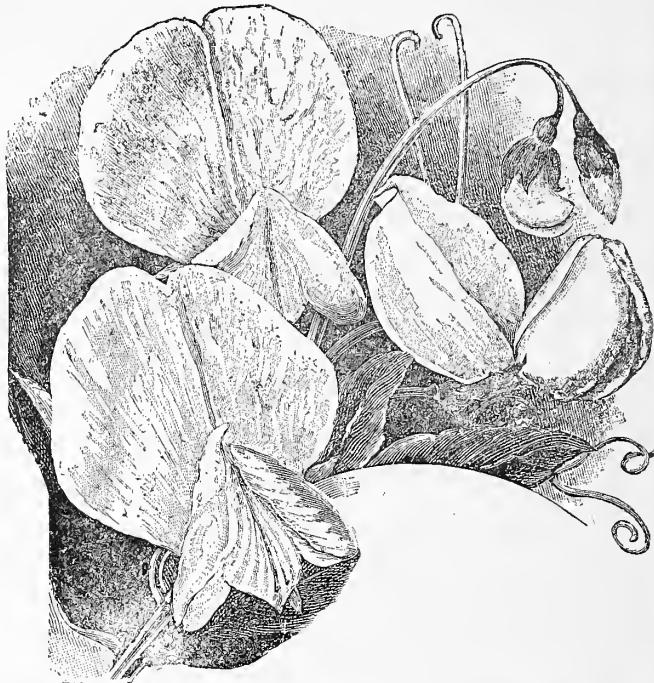
Well proportioned as to colors; made up by carefully arranged formulas from lists which we have been using for many years. This mixture includes many of the best new varieties. Oz. 15c., $\frac{1}{4}$ -lb. 50c., lb. \$1.50.

Young's Superb Mixture of Sweet Peas

This mixture contains 50 of the best sorts, carefully balanced for color, etc., with all the undesirable ones left out. Many of these are of the long-stemmed varieties which carry three or four fine flowers each. Oz. 20c., $\frac{1}{4}$ -lb. 60c., lb. \$1.75.



Ricinus



YOUNG'S CHOICE MIXTURE OF SWEET PEAS

An excellent mixture of pleasing standard varieties in many colors; has been giving satisfaction for years. Oz. 10c., $\frac{1}{4}$ -lb. 30c., lb. \$1.00.

RICINUS
(Castor Oil Bean)

For magnificent tropical effects nothing excels the beautiful Ricinus. Makes splendid center for a large center bed, with cannas and caladiums planted around it. Excellent for screening unsightly buildings. Many of the varieties have beautiful bronze-leaved foliage. Sow the seed in the spring where they are to grow.

ZANZIBARIENSIS. A new and distinct class, surpassing in size and beauty all varieties hitherto known. Plants attain great dimensions—twelve to fourteen feet in height—presenting a splendid aspect with their gigantic leaves. Our mixture contains light and dark green leaves and some coppery-bronze colored, which change to dark green with reddish ribs. Pkt. 5c., oz. 20c.

BORBONIENSIS ARBOREUS. Tall decorative variety with large purplish leaves. 15 feet. Pkt. 5c.

GIBSONI. A compact-growing variety of branching habit. The large leaves are a rich deep-red. 5 feet. Pkt. 5c.

YOUNG'S MIXTURE. A splendid mixture containing all the above varieties with many others. Per pkt. 5c., oz. 10c.

THUNBERGIA
(Black-eyed Susan)

ALATA. Beautiful, rapid-growing annual climbers, preferring a warm, sunny situation; used extensively in hanging-baskets, vases, low fences, etc., very pretty flowers in buff, white, orange, etc., with dark eyes; mixed colors; 4 feet. Per pkt. 5c.

SALVIA—FLOWERING SAGE

One of the grandest plants in cultivation, a bed of them surpassing the finest scarlet geraniums in brilliancy and continuous bloom, the flower spikes often measuring 10 to 12 inches in length, and there are as many as two hundred spikes on a well grown plant. From the time they first begin to flower the plants are never out of bloom until killed by frost. Easily grown; constant delight to every one. Sow seed early indoors or in a frame in time to get good plants to set out of doors the latter part of May, or when the weather is suitable. Massed in a bed, or a row or two around the veranda, they make a beautiful show. Set plants one foot apart.

BONFIRE. Plants form healthy bushes about 2 feet high by two feet across. Spikes grow erect and stand clear above the foliage, completely covering the plant, and are of a most brilliant, dazzling scarlet. One of the finest sorts. Pkt. 10c.

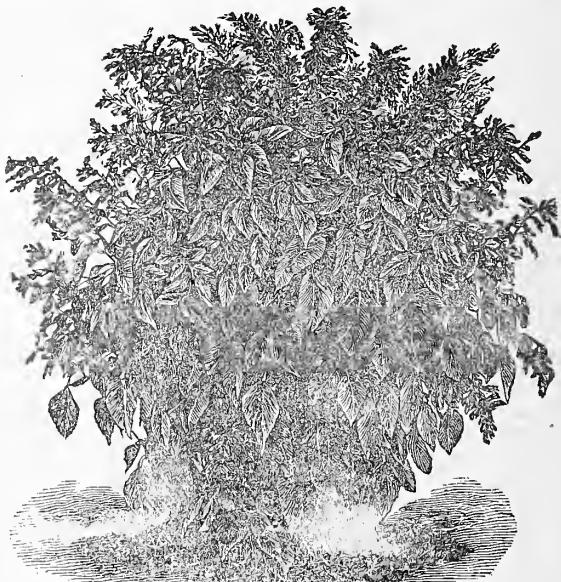
SPLENDENS. One of the most gorgeous of annuals, blooming throughout the summer and fall. The plants grow from one and one-half to three feet in height and are completely covered with showy sprays of bright scarlet flowers. (See cut.) Per pkt. 10c.

SILVERSPOT. Strikingly handsome spotted foliage. Leaves rich, soft dark green, with light yellowish spots of various sizes sprinkled over them, and have a fresh, healthy appearance. Flowers large, bright red; plants of neat, compact habit. Comes quite true from seed. Pkt. 10c.

BURNING BUSH. This variety of Scarlet Sage forms strong, sturdy bushes 2½ feet high, and bears the finest individual spikes of flowers of all, many of them being over 18 inches in length; color intensely rich scarlet; decidedly one of the best. Per pkt. 10c.

ZURICH. A new dwarf variety, generally not over 12 inches high. Compact, beginning to bloom early in June and continuing until autumn. Flowers in erect spikes, brilliant scarlet. Pkt. 15c.

The plants and bulbs came in fine shape. I thank you for the extra ones. Respectfully, Mrs. C. S. Henning, 1801 Rampart St., El Paso, Texas.



Salvia—Splendens

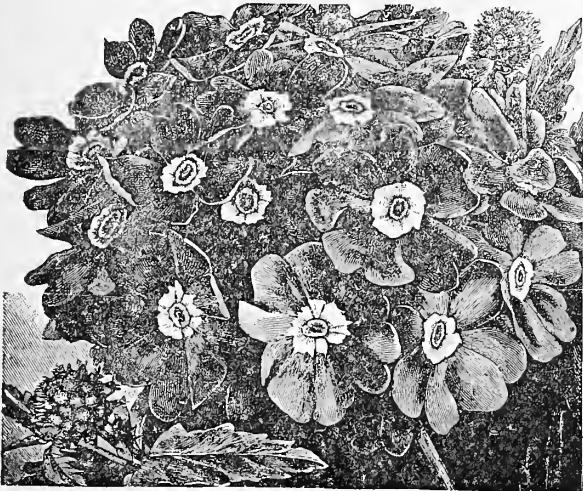
From _____

P. O. _____ State _____

C. Young & Sons Co.
1406 OLIVE ST.

ST. LOUIS,
MO.

**GREEN HOUSES:
Olive and Price Roads**



Verbena

Violet

(VIOLA ODORATA).

Sweet-scented Violets are easily grown from seeds; and if you can plant them in a cool and moist situation, so much the better. All varieties are of great beauty.

THE CZAR. Largest flowering, deep blue. Pkt. 10c.

ODORATA. Single blue. Pkt. 10c.

Wallflower

These deliciously fragrant half-hardy perennials should be better known. By growing plants in the garden and transplanting to pots in the autumn; or better, by placing plants in pots when taken from the seedbed, and sinking the pots to the rim in earth, good plants will be secured for winter flowering in the house. Give a cool room and plenty of water, or they may be protected in a coldframe during winter, and planted out in May. Where winters are not very severe the Wallflowers make most desirable plants, giving plenty of early spring flowers.

MIXED SINGLE AND DOUBLE. Per pkt. 5c.

Vinca—Madagascar Periwinkle

Very ornamental plants, valuable for house or bedding, having glossy, green leaves and round pink and white flowers.

ALBA PURA. White.

ROSEA. Bright rose.

ROSEA ALBA. Creamy white, flushed with rose.

Price of any of the above varieties of Vinca, pkt. 5c.

MIXED. A choice selection. Pkt. 5c.

Stocks

(Gilliflower)

The Stock is one of the most popular annuals, either for bedding or pot culture; for brilliancy and diversity of color, fragrance, profusion, and duration of bloom it is unsurpassed.

Cut-and-Come-Again 10-Week

Splendid perpetual-flowering class; sown in March or April they begin flowering in July, continuing until frost, and are especially valuable during September and October when other flowers are scarce; they throw out numerous side branches, all bearing very double, fragrant flowers; excellent for cutting. Pkt. 10c.

GIANT PERFECTION, FINEST MIXED. Splendid variety of pyramidal growth, with long spikes of beautiful large double flowers. Pkt. 10c.

DWARF GERMAN, TEN WEEKS. This is the leading class for bedding out or summer blooming. Mixed colors. Per pkt. 5c.

Mixed Flower Seed for Wild Gardens

A splendid mixture of beautiful, free-blooming, hardy flowers, which can be offered at a much less price than when sold in separate packages. Those who cannot give the constant care necessary for finely arranged flower beds, will find the "Wild Garden" a delightful substitute, with its constant and ever-varying bloom. Such a flower bed is a continual surprise and pleasure, as new varieties and the old garden favorites flower successively throughout the season. Thin out where plants are crowded and keep clear of weeds. Pkt. 5c.

Cultural Directions

To help beginners and others who are not fully posted in gardening, we have had the following leaflets printed. They are yours for the asking. We send them free. In sending in your order just state the leaflets wanted.

Annals from Seed Aster,
Hot Beds and Frames,
Care of House Plants,
How to Grow Pansies,
How to Grow Sweet Peas,
Hardy Climbing Plants,
Gladiolus,

Tuberose,
House Culture of Palms,
How to Make a Water Garden
Chrysanthemums,
Canna,
Dahlia,

Young's Mammoth Verbenas

If it were possible, it would seem to us that Verbenas are becoming more popular every year. The plants thrive in any good garden soil, and if grown from seed are much more vigorous than if started from cuttings. Verbenas will flower perfectly from seeds, started early in the house in boxes or pots; or you may plant the seeds directly in the garden beds when the warm weather of May arrives. Height 1 to 1½ feet.

Mammoth Purple, pkt. 10c. **Mammoth Scarlet, pkt. 10c.**
Mammoth White, pkt. 10c. **Mammoth Striped, pkt. 10c.**

Young's Mammoth Mixed Verbenas

Our strain of these elegant mammoth-flowering Verbenas will make beds and borders in the garden of the greatest brilliancy. These are our best Verbenas, and for enormous flowers of rich and superb colors are unsurpassed. (See illustration.) They bloom most profusely. Our mixture contains every desirable color and shade. Pkt. 10c.

MAYFLOWER. This Verbena is of bright and pleasing shades of pink, of extra size and free-blooming habit. Its chief claim to popularity is its fragrance, which resembles the Trailing Arbutus or Mayflower. This fact gave it its name. It is very desirable for bouquets and decorative purposes, and is unsurpassed as a bedding. Pkt. 10c.

VERBENA, FINE MIXED. A very satisfactory assortment, containing many fine colors and shades. Pkt. 5c.

VERBENA, LEMON SCENTED. This fragrant plant is easily grown from seed, and succeeds well anywhere. Have a good bed of it in the garden every summer, that you can cut its fragrant foliage and flowers to make up with bouquets. Pkt. 5c.

Humulus Japonicus

(JAPANESE HOP)

One of the most rapid climbers grown; seed can be sown in the open ground in the spring and it will attain enormous dimensions very quickly. The foliage is luxuriant, and it is one of the best plants for covering verandas and trellises. Heat, drought and insects do not trouble it. Pkt. 10c.

VARIEGATUM. A variegated variety of the above. The leaves are beautifully marbled and splashed with silvery-white, light and dark green; very effective for screens, arbors, trellises, etc. Per pkt. 10c.



Zinnia

Young's Zinnias

One of our most stately and showy border plants, a strong grower, and therefore succeeds well, even if the ground is not very rich. The plants come quickly from seeds, are easily transplanted, and make a fine display in a bed or border or among shrubbery. Each flower lasts for several weeks and the plants bloom abundantly until destroyed by frost.

Mammoth Flowering Prize Zinnias

These splendid large-flowering Zinnias (see illustration) represent the very highest perfection yet attained in this flower, and for perfect double-ness, mammoth size, as well as the wonderful variety of colors and shades, are unsurpassed by any strain in cultivation. We offer the following splendid separate colors, and our elegant mixture:

Mammoth Crimson, Pkt. 5c. **Mammoth Scarlet, Pkt. 5c.**
Mammoth Golden Yellow, Pkt. 5c. **Mammoth Pure White, Pkt. 5c.**
Mammoth Yellow, Pkt. 5c. **Mammoth Orange, Pkt. 5c.**

GIANT FLOWERING, MIXED COLORS. This mixture includes all the best and largest types, and cannot be excelled in beauty of flowers or range of color. The shades include: scarlet, crimson, rose, yellow, etc. Colors mixed, per pkt. 5c.

I received plants and bulbs which I had ordered from you, in a fine condition, your order No. 7058 for which I thank you very much. I remain as ever, yours truly, Mrs. Chas. Fellenstein, Valmeyer, Ills., 10-2-12.

ROSE DEPARTMENT

SELECT EVER-BLOOMING ROSES

Although we do not offer as long a list of varieties of Roses as some, yet our stock in quality, condition and extent is unequalled, and we contend that our customers are safer in selecting from our list of **Choice Tested Varieties** than if we offered a long list, which would contain many inferior sorts.

The varieties on the following pages are thoroughly reliable, the lists having been built up through years of very careful choosing of kinds that we know would do well for our trade. We have tried to make the descriptions thoroughly clear and comprehensive, and to give such information as our friends will find most helpful; but we shall be very glad to answer questions addressed to us on this subject.

The bulk of our roses are what are known as field-plants, that is, plants that have been cultivated in fields during the season of 1917, receiving ordinary garden culture. In the fall they are carefully dug, planted in pots and stored in cold green houses where artificial heat is used only in extreme weather to exclude severe frost.

Under this treatment the plants are stronger and sturdier and are much superior to those that have been grown and forced, under a high temperature, into an unnatural and weakened growth, and at the same time they must not be confounded with the comparatively worthless Holland-grown Roses, which sometimes do not live three months after planting.

True to Label. If, through carelessness in selecting or through plants having become mixed by accident, an order is not filled true to label, we will do our best to make the matter right when notified. Mistakes in varieties are especially vexatious, and we try in every way possible to avoid them.

Express Shipments continue to grow in favor because we are able to send larger plants, and having more space in which to pack, a goodly portion of soil is left on the roots, so that plants receive no set-back in transit and always arrive in first-class order, which we guarantee.

We make no charge for packing cases or packages. Every order will be acknowledged, and goods will be shipped immediately unless notified otherwise.

Winter Protection. The ever-blooming Roses require protection during winter. Cut out all the tender growth and strip off most of the leaves, then bend the bush over and cover to the depth of 3 or 4 inches with loose earth and over this place a light covering of boards and boughs. Any mode of protection is as good as this, provided it prevents sudden freezing and thawing, and does not hold moisture about the stem, causing decay. A straw covering is apt to harbor mice. Do not cover too soon—wait until the plants are well matured, and severe weather is beginning; light freezing will not hurt Roses. Uncover when the frost is leaving the ground and spring is fairly opening. Prune out all injured wood.

Insects. The most important is the Rose Slug, a green, soft, slug-like animal about a quarter of an inch long; most troublesome in June; it feeds upon the upper surface of the leaf. A good remedy is white Hellebore Powder, mixed in water and applied with a good spray pump; or spray with Insecto.

To destroy Aphis or Green Fly, spray with Nicotine, or dust with Tobacco Dust.

Mildew. This disease is caused by sudden changes from heat to cold. Remedy: Dust with sulphur as soon as it appears.

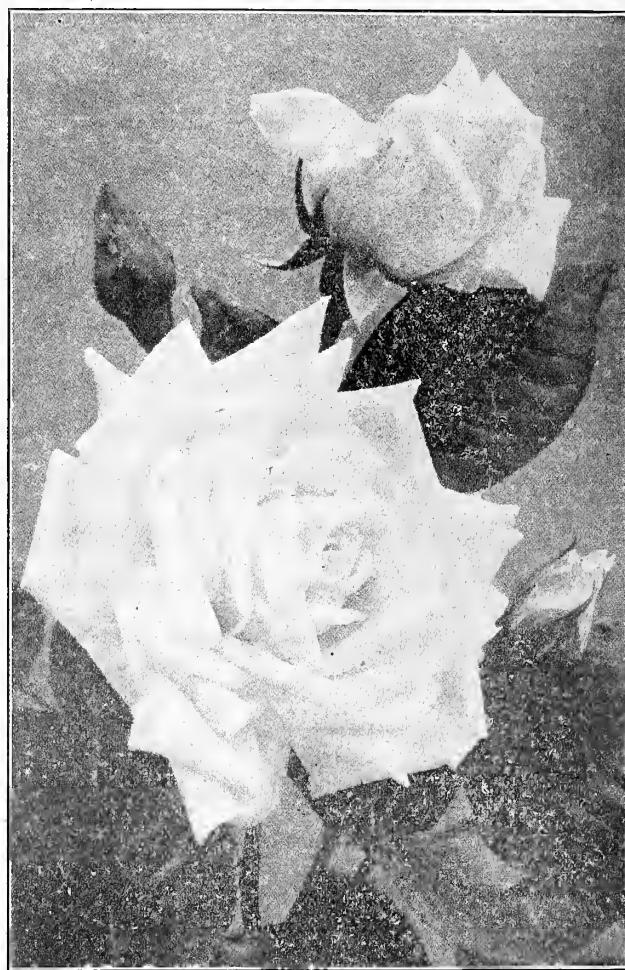
Fertilizers. Fine, well-decomposed cow manure is the best for general purposes. Ground bone comes next in value. Roses are rank feeders and amply repay the food and moisture given them, both with luxuriance of foliage, and profusion and size of bloom. Many Roses will do fairly well with little care, but best results come when pains are taken.

ETOILE DE FRANCE (Star of France)

Magnificent in Form and Coloring.

Gorgeous, rich, velvety crimson; full, very large, double and cup-shaped Rose, with fragrance that is deliciously exquisite. Plants form strong, upright bushes, with splendid deep green foliage, and in the open ground it is particularly good, growing hardy and vigorous. As the weather grows cold toward fall the color becomes darker, until the flower is almost black, so deep and velvety are its crimson petals. It is pre-eminently the Rose for the masses. It is always in bloom from the earliest days of summer until November. There is no deep red Rose in our list we can recommend more highly. Price, one-year-old plants, 20c each; two-year-old plants, 40c each; three-year-old plants, 60c each.

"I received the seeds and rose plants all O. K. I am delighted with the plants, they are so healthy looking. Thanking you for the extra plant, I remain, Mrs. J. W. Schmoeller, Alton, Ill., April 16th, 1917."



Hardy Ever-Blooming White Rose.

KAISERIN AUGUSTA VICTORIA

A hybrid Tea Rose, soft pearly-white, lightly tinted with lemon in the center, just enough to relieve the white; remarkably fragrant, a strong healthy grower, with bold, beautiful foliage. The habit is free; the beautiful, perfectly-shaped flowers are borne in profusion on long, graceful stems, so that it is valuable for cut flowers. Many growers consider it the best white hybrid Tea Rose we have to-day.

Price, one-year-old plants, 20c each; two-year-old plants, 40c each; three-year-old plants, 50c each.

THREE SIZES.

We grade our Roses in three sizes. This gives purchaser the opportunity of procuring a plant of large size which will make a show at once, or smaller plants at prices which place them within the reach of all. Our Roses are graded as follows: 1st size, strong 2-year plants, from 5-inch pots; 2d size, a smaller grade of these in 4-inch and 5-inch pots; 3d size, young plants from 3-inch pots.

JONKHEER J. L. MOCK

A Hybrid Tea called the Giant Pink, from Holland. Of distinctive merit, being an extremely strong grower, one of the strongest of the Hybrid Tea class, blooming as it does with the greatest freedom, the buds carried on long, stiff, erect stems, of the very largest size imaginable to obtain in a Rose bloom and still retain its perfect formation. Very fragrant. Color, clear imperial pink on the order of the La France. This Rose has produced a sensation wherever grown.

Price, 1st size, 50c each; 2d size, 25c each; 3d size, 15c each.

NEW ROSE WM. R. SMITH

A VIGOROUS, HEALTHY GROWER, EXCELLENT IN QUALITY AND BEAUTIFUL IN BLOOM

Whether you live East, West, North or South, whether you wish one Rose or 1,000, here is a Rose which has our unqualified endorsement. It will thrive abundantly in almost any reasonable location. The flowers are large, full and double, and most exquisitely formed. The petals are so firm they look like wax, softly curled, colored cream with flesh tint tips; buff yellow base and the center a heart of pink. Perfect buds. The flowers are borne on long, strong stems, just right for making bouquets. Fragrance is delightful. You will admire the foliage, too, deep green leaves on red stems and the new growth of rich garnet; the plant will grow for you vigorously, is among the hardiest in this class and blooms abundantly.

Price, 1st size, 50c; 2d size, 25c; 3d size, 1-year-old, 15c each.

HADLEY

In the Hadley we have a Rose that possesses a rich and lasting crimson color coupled with vigor of growth, robust constitution, and free blooming habit. It will be welcomed alike by the grower who forces Roses under glass for cut flowers, and the one who plants outdoors for summer flowers. It is a development of a strain of red Roses, including Liberty, Gen. McArthur and Richmond. The color is magnificent, rich velvety-crimson, retaining its brilliancy throughout the season. The fragrance is delightful and refreshing. The flowers are borne on long stems and keep in good condition a long time when cut. The growth is splendid, sturdy and healthy, the foliage large and abundant.

Price, 1st size, 50c each; 2d size, 25c each; 3d size, 15c each.

OPHELIA

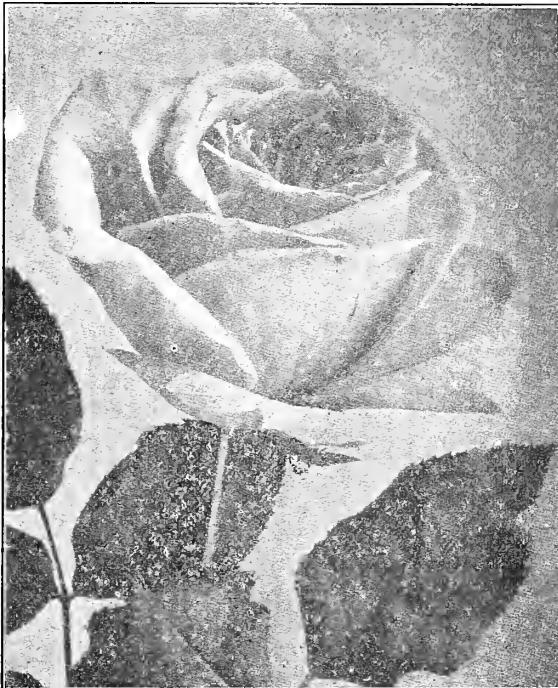
It is a difficult task to accurately describe this rose, although the description "a brilliant salmon-flesh shading to rose" about hits it. Being hardy with slight protection and possessing flowers that are fragrant and faultless in form of bud or flower, with erect habits and free-flowering, we are sure that it is a rose that will make many friends amongst our customers.

Price, 1-year-old plants, 20c each, 3 for 50c, postpaid; 2-year-old plants, 50c each; extra large plants, 75c each, by express.

MRS. CHARLES RUSSELL

This fine bedding sort, being a prolific bloomer, is the nearest approach to the American Beauty which has been seen in years, and some of the leading rose-growers predict that it will eventually succeed the American Beauty as Queen of all Roses. A delightful shade of cerise which does not fade to a blue, but turns to a lighter shade as the flower ages. You really must see this wonderful rose to appreciate its true merits.

Price, 1-year-old plants, 25c each; 2-year-old, 50c each; extra large plants, 75c each, by express.



Rose—Jonkheer J. L. Mock

MAD. CAROLINE TESTOUT

This is the rose which grows so luxuriantly in the Far West that it has been adopted by the State of Oregon as its State flower. The gardens of the cities along the Pacific Coast are the wonder of the world by the profusion of the bloom of this remarkable rose. In color, it is of a satiny rose, deepening to clear red in the center. Thoroughly hardy in every respect, it is one of the very best roses for outdoor culture.

Price, 1st size, 50c each; 2d size, 25c each; 3d size, 15c each, 4 for 50c.

WHITE AMERICAN BEAUTY

FRAU KARL DRUSCHKI THE BEST WHITE ROSE IN EXISTENCE

This wonderful new rose of German origin has proven to be the best and most sensational snow-white variety introduced in the last decade. Extraordinary in its growth and branching freely, it has the vigor and hardness of an oak. Foliage large and heavy, and the flowers which are the glory of the plant are immense in size and produced with great freedom on long, stiff stems. An ordinary plant will bear hundreds of magnificent flowers, which are full, very deep and double, and of splendid substance; petals long and broad, and saucer-shaped. The bud is egg-shaped, long and pointed, while the color is marvelous snow-white, without a tinge of yellow, pink or any other color. Truly a wonderful rose. Hardy everywhere.

Price, strong 1-year-old plants, 25c each, postpaid; extra large 3-year-old, 75c each, by express.

RED AMERICAN BEAUTY

THE SWEETEST AND BEST OF ALL HARDY ROSES

More plants are grown and more flowers are sold of this, "The Queen of all Roses" than any other rose in cultivation and deservedly so, for it is one of the grandest and most beautiful roses now known. It is a genuine hardy, ever-blooming rose. For immensity in size, richness in color, exquisite form and delicious fragrance, it stands without an equal. It is a quick and husky grower, with splendid foliage, producing upon stems frequently over six feet in height, magnificent buds and large, deep double flowers. Is valuable both for house and garden culture. Color is a rich, rosy-crimson, shaded and veined in the most charming fashion; fragrance is wonderfully sweet, not surpassed by any rose we know.

Price, 1-year size, 25c each, postpaid; 2-year size, 50c each; extra large 3-year size, 75c each, by express.

PLANTING TIME

No question is asked more frequently by our customers than "When is the best time to plant Roses?" The best time to plant is during the spring or early summer months. Those who wish to plant early should observe the homely rule of waiting until after corn-planting time or after all danger of frost is past.

April 29, 1917.

"Dear Sir:

Received the roses and vines in fine condition. Was more than pleased with the jessamine in full bloom. Many thanks. Respectfully,

MRS. GEO. WATERS,
1326 Pennsylvania Ave.,
St. Louis, Mo."

Weilston Sta.



Red American Beauty



Rose Radiance.

RICHMOND.

A strikingly beautiful new Hybrid Tea Rose. In the bud it is particularly attractive. It blooms as freely as the freest of the monthly Roses; very easy to grow, splendid foliage, long stems. The color is magnificent, a gorgeous scarlet-crimson, very vivid and rich. In the garden the flowers are very lasting, the color remaining clear and bright to the very last. Delightfully fragrant. Price, 1st size **50c** each; 2nd size **25c** each; 3rd size **15c** each, 2 for **25c**.

SUNBURST.**"Stands Head and Shoulders Above All."**

This magnificent giant-flowering Rose stands head and shoulders above all other Roses of its class. It is a constant blooming variety, producing fragrant blooms of an especially deep color throughout the summer. It has all the good points of merit; a fine long pointed bud; long stems; extraordinary vigorous and healthy, and belongs in the class of big Roses.

The color is a beautiful orange-copper, golden orange and golden yellow, large intense shades, and brilliant in effect. Price, strong one-year plants, **20c** each, three for **50c**; two-year plants, **50c** each.

MRS. GEORGE SAWYER.

It is without question, the most remarkable of all pink Roses. It has a shining, intense deep pink color possessed by no other rose. It is a fine grower, free bloomer, good size and form, fragrant and in a class by itself as to color. It has an extraordinary deep, long, very pointed flower, probably the most perfect shaped and graceful form of any Rose grown; has no equal among bedding or garden Roses. A variety that should have a place in every garden. Price, one-year-old plants, **15c** each; two-year-old plants, **40c** each.

GRUSS AN TEPLITZ.**The Sweetest, Richest Crimson Hybrid Tea Rose.**

The intense, dazzling color of this Rose is found in no other variety. Fiery crimson, shaded with a dark, velvety sheen, totally unlike any other color in the world. Large, handsome, moderately double flowers, produced in wonderful profusion throughout the whole growing season; in fact, it is always in bloom. The flowers are produced singly, sometimes in clusters, producing a gorgous effect on the lawn or in the garden all summer through. A wonderfully strong, vigorous grower, actually attaining a height of 4 to 5 feet, perfectly hardy everywhere. Incomparable for fragrance. Price, **15c** each, 2 for **25c**, postpaid; 1-year-old plants, **25c** each; 2-year-old **50c** each; extra large 3-year-old, **75c** each, by express.

RADIANCE.**The New Hardy Ever-Blooming Garden Rose.**

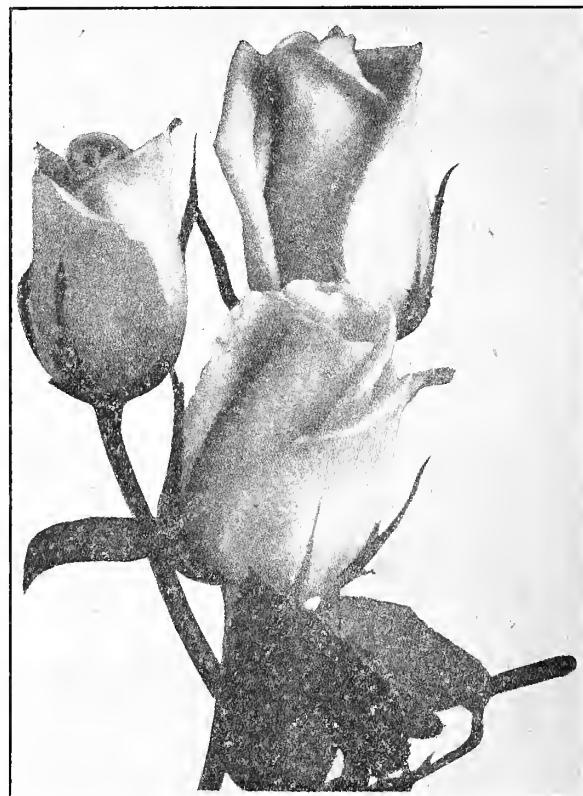
RADIANCE is a seedling from CARDINAL, a brilliant rosy-carmine, displaying beautiful, rich and opaline pink tints in the open flower; the form is fine, largest size and full, with cupped petals. The bud is large, brilliant, radiant; the stems are long, buds and flowers borne erect on the strong stems, the foliage is abundant and of splendid substance, a dark, healthy green. It blooms constantly, delightfully fragrant and is so healthy that it may be said to be immune against disease. Add to these qualities that of hardiness and vigorous growth, then the grand qualities of this peerless Rose are plainly told. Price, 1st size, **75c** each; 2nd size, **50c** each; 3rd size, **25c** each, 5 for **\$1.00**.

LADY HILLINGDON.

It has long, willowy stems that are in no sense weak, as the buds are held upright; has a long slender pointed bud of brilliant deep golden-yellow and a striking peculiarity of this Rose is that each day the golden-yellow color becomes deeper yellow and more intense. Price, 1st size, **50c** each; 2nd size, **25c** each; 3rd size, **15c** each.

MY MARYLAND.**Beautiful in Bud and Flower.**

A Rose of delightful color, distinctive shape and superfine quality, which appeals to many on account of its name. In color it is an exquisite shade of pink, the buds and flowers being most beautifully formed and borne on long, stiff stems. The bush is extra strong, hardy and a most prodigious bloomer. Price, one-year-old plants, **15c** each; two-year-old plants, **35c** each.



Rose Sunburst.

LA FRANCE.**The Beautiful Pink Rose.**

We cannot speak too highly of this superb Rose, which grows in popularity with the years, and is regarded as the best all-round garden variety by many rosarians the world over. The flowers are large and beautiful, either in the bud form or when fully expanded. The beautiful, delicate coloring is almost indescribable; a peach blossom color, shaded with satiny pink and silvery rose. It is very free flowering, every shoot forming a beautiful flower, continuing in bloom throughout the season. In addition it is entirely hardy with slight protection. It is most deliciously fragrant, thus combining in a marked degree all the qualities of the ideal garden Rose. Price, 1st size, 2-year-old, **50c** each; 2nd size, **25c** each; 3rd size, **15c** each, 2 for **25c**.



Rose Madame Chatenay

HARDY EVER-BLOOMING ROSE SOUVENIR DU PRESIDENT CARNOT

Unquestionably the finest rose of its color introduced in a decade. Whether considered from the standpoint of the commercial cut-flower-grower or from its fitness for garden work, this rose is without a superior, and it is doubtful if it has an equal. The growth is vigorous, the foliage dark green and very handsome, but the glory of the variety is in its flower. It is very large, both in the bud and in the expanded flower, double to the center, and opens beautifully.

Price, 1st size, 60c; 2d size, 35c; 3d size, 20c, 3 for 50c.

HARDY EVER-BLOOMING ROSE MRS. AARON WARD

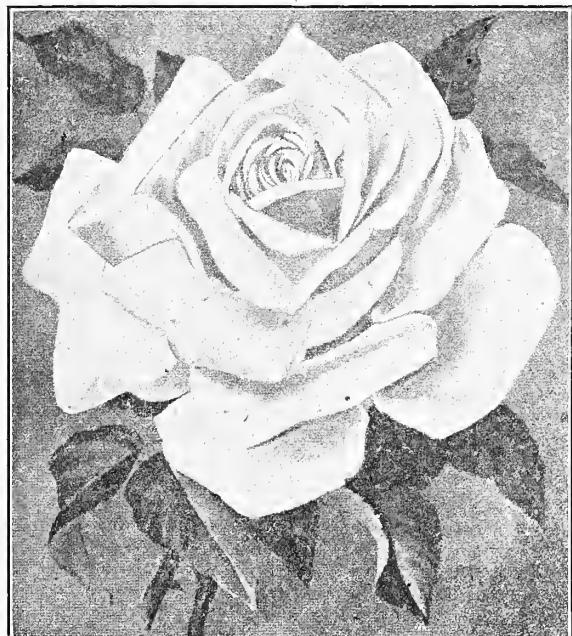
One of the most delightful roses of recent years and absolutely distinct; if it never bore a flower, the plant would still be an object of beauty with its close-set foliage, dark and glossy leaves, with maroon reverse. The habit is admirable, very freely branched, making a perfect shrub in form, and rustling with health. The wonderful color catches the eye at once—a deep, golden-orange shading out to creamy yellow and white at the edge of the petals; the buds are cupped and very deep, showing the glowing heart to the best advantage. Remarkable for its freedom of bloom, every shoot produces a flower, and its keeping qualities when cut.

Price, 1st size, 50c; 2d size, 25c; 3d size, 15c, 4 for 50c.

YELLOW TEA ROSE PERLE DES JARDINS

The form of the bud is round and full. It is only equaled in beauty by the open rose, which is full to the center and large. Color clear yellow, the best in its class.

Price, 1st size, 50c; 2d size, 25c; 3d size, 15c.



Rose Etoile de Lyon

MAD. ABEL CHATENAY

This grand, new perpetual-blooming variety is of great beauty, and the best of its color; rosy carmine, shaded darker. Does remarkably well in open ground; flowers wonderfully beautiful, full, deep and double. Very hardy.

Price, 1st size, 50c; 2d size, 25c; 3d size, 15c, 4 for 50c.

MILLE. FRANCISKA KRUGER

A favorite rose for the garden and the most satisfactory variety in its color. The coloring is strikingly handsome, a blending of deep yellow with coppery yellow and buff shadings. Fine buds and splendid flowers which remain in good condition a long time.

Price, 1st size, 50c; 2d size, 25c; 3d size, 15c, 2 for 25c.

EVER-BLOOMING ROSE

HERMOSA

Although one of the oldest roses in our list, this splendid variety has points of excellence not surpassed by any other and equalled by few. The color is in itself a recommendation; a clear, fresh, bright pink. The flowers are fairly double, cupped petals and of medium size; they are borne in clusters and in lavish profusion. Perfectly hardy.

Price, 1st size, 50c; 2d size, 25c; 3d size, 15c, 4 for 50c.



Rose Mrs. Aaron Ward

ETOILE DE LYON

It is of vigorous, sturdy growth, and seems able to resist both heat and cold equally well. It blooms freely, producing beautifully formed flowers of a rich, golden yellow. A great favorite everywhere.

Price, 15c for 1-year-old plants; 35c for 2-year-old; 60c for 3-year-old plants.

PAUL NEYRON

The flowers are immense; probably the largest and finest rose; bright, shining pink; clear and beautiful; very double and full; finely scented; blooms the first season and all summer; no collection is complete without this magnificent variety.

Price, 1st size, 3-year-old, 75c each; 2-year-old, 50c each; 1-year-old, 25c.

THREE SIZES

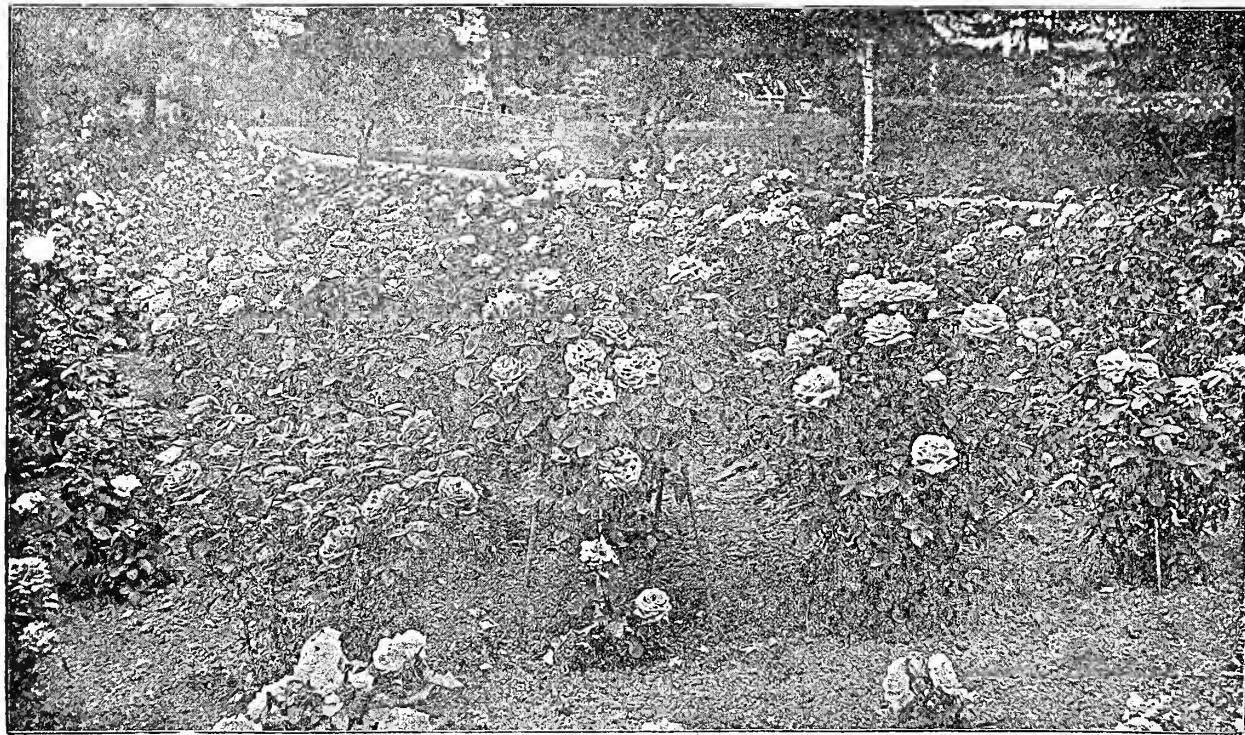
We grade our roses in three sizes. This gives purchasers the opportunity of procuring a plant of large size which will make a show at once, or smaller plants at prices which place them within the reach of all. Our roses are graded as follows: 1st size, strong 2-year plants, from 5-inch pots; 2d size, a smaller grade of these in 4-inch and 5-inch pots; 3d size, young plants from 3-inch pots.

Dear Sirs: Roses and ferns received today in fine condition. Many thanks.
Respectfully, MRS. HY. H. FROHM, Cuha, Mo., April 12, 1917.

Gentlemen:

I received the parcel today. Thanks for sending it. Yours truly,
ANNIE WESTHOFF, Vienna, Mo., April 12, 1917

12 SPLENDID EVER-BLOOMING ROSES FOR \$1.50

FOREST PARK COLLECTION OF HARDY
EVER-BLOOMING ROSES

A Bed of Roses in Forest Park, St. Louis.

The beds of beautiful Ever-blooming Roses in Forest Park have become famous, and that all may grow and enjoy these splendid roses we offer below the varieties planted in these beds. The illustration above shows their vigor of growth and free-blooming qualities. By ordering the "Forest Park Collection" you will obtain a very select assortment of the finest ever-blooming roses, that will be sure to prove entirely satisfactory.

CLOTHILDE SOUPERT. This rose has a dwarf habit which makes it an admirable rose for mass planting or in borders. It is constantly in bloom, and thrives well everywhere. The flowers are extremely double, white on the outer edge, deepening to a true pink in the center.

ETOILE de FRANCE. A free, deep red bloomer, that always gives entire satisfaction. It is perfectly hardy, and deserves a place in every garden. The flowers are double and are very fine for bouquets, etc. This fragrant rose will prove its worth if planted in your garden.

GRUSS AU TEPLITZ. Who hasn't heard of this grand rose? Very few, we should say, as it is planted everywhere—a genuine favorite. Being the most prolific bloomer of any rose under cultivation, it has made a home for itself in every garden in which it has been planted. It withstands the heat of the South and the cold of the North with equal fortitude. It's the one red rose you can't go wrong on. Plant it freely and watch the effect.

RICHMOND. This is unquestionably the most valuable red rose yet introduced; color, a rich glowing scarlet; does not blue with age. A strong, vigorous grower with but little blind wood; foliage large, deep green; stems strong, holding the flowers erect, and requires no special treatment.

MAD. ABEL CHATENAY. This splendid rose is one of the very best of its color—rosy-carmine, with darker shade. It does remarkably well in the open ground, has wonderfully beautiful flowers, which are full, deep and double. A very hardy Rose, Chatenay is a strong grower and free bloomer and has won friends wherever it has been planted.

KAISERIN AUGUSTA VICTORIA. This grand Rose is still unsurpassed in beauty. Extra-large, finely formed flowers, borne single on strong upright stems; very deep, full and sweet; color, pure white, shading to lemon; a free bloomer. One of the finest Roses.

SPECIAL OFFER—For \$1.50 we will send one each of the twelve splendid, strong one-year-old Roses described above. Larger plants by express, the 12 varieties for \$2.50. Strong two-year-old plants, one each of the 12 varieties described above, for \$5.00, by express only.

NOTICE—Our two-year-old roses deserve special mention; they are unusually strong and vigorous, as fine as we have ever grown. No finer specimens will be found in this country, and this low price beats all others.

W. R. SMITH. The hardiest monthly-blooming Rose in existence. The big canes sometimes reach $\frac{3}{4}$ inch in diameter on the two-year-old bushes, and throw out long, pointed buds, which when open reveal a beautiful white rose suffused with blush-pink. They last for days on the bushes. We have never seen this rose affected by any of the many rose diseases, and it withstands both extreme heat and cold.

LA FRANCE. An old and well-known variety. Color silvery rose shades, with pink; it has a satin sheen over all its petals. Hardy, continually in bloom; first-class in every way.

HERMOSA. Everybody knows this famous variety. As hardy as an oak, and always covered with its elegant clear pink blooms. There is not a shade of color of any kind to mar its purity. We doubt if any rose ever grown will take its place.

ETOILE de LYON. This is one of the best yellow Tea Roses for open-ground culture. The flowers are extra large, deep and double; color pure canary-yellow. Unlike other yellow Roses, it is a strong, vigorous grower, a constant and steady bloomer.

PINK MAMAN COCHET. Another acknowledged leader among pink garden roses. The buds are beautiful, large, full and firm, and are elegantly pointed.

MAD. FRANCISCA KRUGER. Of strong and vigorous growth, and a constant bloomer, which is especially suited to bedding or massing. The flowers are deeply shaded coppery-yellow in color, and are of large size.

When ordering, please order as the "Forest Park Collection." We will then know what you want, and it won't be necessary to mention each individual variety.

The Famous Killarney Roses

Killarney Brilliant. Probably no Rose ever introduced gained public favor so quickly as the original Killarney, and which today, after being on the market for over sixteen years, is still the most popular Rose grown. We sell more of it than of any other one variety. Killarney Brilliant is a sport from the original Killarney, in which we have a Rose far more intense and rich in coloring, it being almost a crimson of a rich glowing shade, and in addition to its rich color it is also larger and more double than its parent. A truly magnificent Rose which we can endorse in every way.

White Killarney. A pure white sport from Killarney, with which it is identical in shape. It is perfectly hardy with light protection. A strong, robust grower, flowering very freely throughout the season. The flowers are very large, buds long and pointed, borne on strong erect stems.

Pink Killarney—This splendid, hardy Irish Hybrid Tea Rose is remarkable for its freedom of bloom and the large size of its flowers. The buds are large, long and pointed and, to add to their charm, they are intensely fragrant. The color is exquisite, a brilliant imperial-pink, sparkling and beautiful, almost beyond description.

Price, one-year-old, 20c each, the 3 varieties for 50c. Larger Plants, 35c each, the 3 for \$1.00. Extra large 2-year-old plants, 50c each, the 3 for \$1.25. By express.



Killarney Roses

The Always Popular Cochet Roses

Four Superb, Hardy, Everblooming Roses, for 50c.

If you want four of the finest Roses listed in this book, which will produce hundreds of superb flowers throughout the growing season, order this Cochet set. No matter where you live, they will give you perfect satisfaction. The Cochet Roses are perfectly hardy in every part of the country, even where the winters are most severe, with slight protection. In the more temperate sections and in the South they thrive vigorously and bloom most lavishly all summer long, growing into great, strong, lusty bushes which increase in beauty with the passing years.



Cochet Rose

PINK MAMAN COCHET

This superb Rose is well known as a queen among Roses, one of the best and most beautiful varieties ever grown, and quite hardy. The flowers are of enormous size, very full and of great depth and substance. Color, rich coral-pink, elegantly shaded with rosy crimson; has broad, thick, shell-like petals and makes superb long-pointed buds; immense bloomer, and flowers the whole season. Deliciously sweet and a hardy, vigorous grower. It ranks among the very finest hardy everblooming Roses.

WHITE MAMAN COCHET

A most magnificent snow-white rose, with sometimes a faint tinge of pale blush. It has the same freedom of bloom as the pink Cochet, the same magnificent form of buds and flowers, and the same hardiness—standing at the very head of all the roses as the best white kind for open-ground culture. Vigorous as an oak and hardy everywhere.

RED MAMAN COCHET

A fitting companion to the other Cochet Roses on account of its vigor of growth, stiffness of foliage, freedom of bloom, and hardiness. It bears masses of full, deep-formed flowers singly, on long, substantial stems. The color is a new and clear shade of red or velvety crimson, brightening in center; of exquisite fragrance.

YELLOW MAMAN COCHET

One of the very best hardy, ever-blooming yellow roses. It is ideal for open-ground culture—a typical Cochet Rose, with gracefully molded buds, flowers magnificent when open, on stiff, strong stems. This kind is identical in every way with Pink and White Cochet, except in the color of the flower which is deep sulphur-yellow.

Strong one-year-old plants of the above Cochet Roses, 15c each, 4 for 50c. 2-year-old plants, 35c each, 4 for \$1.25. Extra large 3-year-old, 60c each, 4 for \$2.00. By express.

The demand for our big, magnificent, strong, three-year-old Cochet plants is always greater than the supply, and early ordering is necessary to procure them. Our stock this year is finer than ever before—all on its own roots and growing in 6-inch pots. Orders will be filled in strict rotation.



Climbing Yellow Rose, Pearl of the Garden.

BABY RAMBLER ROSES. THEY ARE HARDY.

This rose has come to stay, and is a favorite everywhere on account of its hardiness, free-blooming habits and its adaptability as a pot rose and for bedding purposes.

CRIMSON BABY RAMBLER.

Still a favorite. The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

Price, 20c and 35c each.

BABY THOUSAND BEAUTIES.

The plants are sturdy and bear immense trusses of flowers of a large size, which keep remarkably well after opening. We have found this to be a continuous and profuse bloomer and undoubtedly has a great future.

Price, 20c and 35c each.

ROSA RUGOSA JAPANESE ROSE.

These Japanese Roses form sturdy bushes 3 to 5 feet in height. They are perfectly hardy in the most trying places. The dark, rich, leathery foliage is oddly wrinkled; the large, fragrant single and semi-double flowers are produced in profusion throughout the summer. In the autumn they are followed by orange-red and scarlet hips or seed pods.

BLANCHE DE COUBERT. A fine, double, sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous, rampant grower, very free blooming—almost perpetual flowering. Flowers measure nearly 5 inches across and are lasting. 2-year-old bushes, 50c each, by express.

RUGOSA ALBA. Crowded with clusters of single pure white flowers; foliage dark green and glossy. 35c each.

RUGOSA RUBRA. Identical with the above, except in the color, which is a beautiful red. 2-year-old bushes, 35c each, by express.

"The crate of plants gay with blossoms, arrived in good order yesterday. They are a veritable ray of sunshine in our home on this snowy Easter morning. They are as fine if not finer than those I had from you last year about which you quote me in your catalogue as saying, 'the box when opened looked like a dream' I want to tell you that later in the Summer, 'The dream came true.' in my beautiful flower garden. Many thanks for the extras. Yours with good wishes, Isabella D. Mitchell, Cobden, Ills., April 8th, 1917."

Climbing Pearl of the Garden

A Great Yellow Hardy Ever-Blooming Climbing Rose.

The first Yellow Hardy Ever-Blooming Climbing Rose. This variety originated in our greenhouses two years ago and is a sport from that well-known garden rose, "Perle des Jardines." The flowers are something grand; they are the equal of the finest and most beautiful cutflower roses; a strong and vigorous grower, pure yellow flowers of the largest size and perfect form. If you want a quick-growing hardy climber, one that will give you flowers this season, this is the only Yellow variety that will do it.

We offer this Rose to our customers for the first time. Price, strong plants from three-inch pots at 50c each. We advise early orders as stock is limited.

GENERAL JACQUEMINOT.

The most popular hardy crimson rose ever introduced. It is a strong, vigorous grower, entirely hardy; an early and abundant bloomer. Its brilliant crimson is the standard of color by which other roses are judged; flowers full and fragrant; popularly called the "Jack Rose." Price, 1-year-old plants, 25c each.

MARECHAL NIEL. The Famous Rose.

This is the wonderful Golden Rose our friends in the Southland are so fortunate in being able to grow in their gardens to perfection, and which yields such splendid returns if given slight protection and care in the North. Buds and flowers superb; extra large, very double, and deliciously perfumed. Deep golden yellow. Blooms with greatest freedom. Two-year-old plants, 50c and 75c.

NEW HARDY YELLOW ROSE, SOLEIL D'OR—SUN OF GOLD.

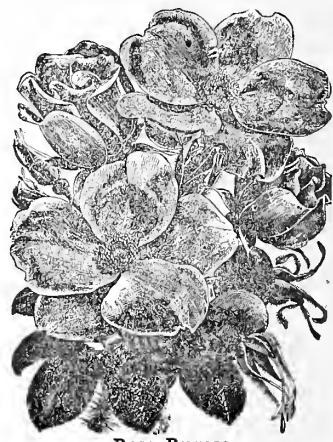
A perfectly hardy yellow rose, robust and very vigorous; the buds are conical in shape and of a lovely yellow color. The flowers when expanded are large, very full and rounded, center petals merely incurved, of a superb color, averaging from gold and orange to a reddish-gold and shaded with Nasturtium red; the open flowers often measure 3 3/4 inches across. Our stock of this variety is only: First size, 2-year-old, 50c each; extra large plants, 75c each, by express.

HARRISON'S YELLOW.

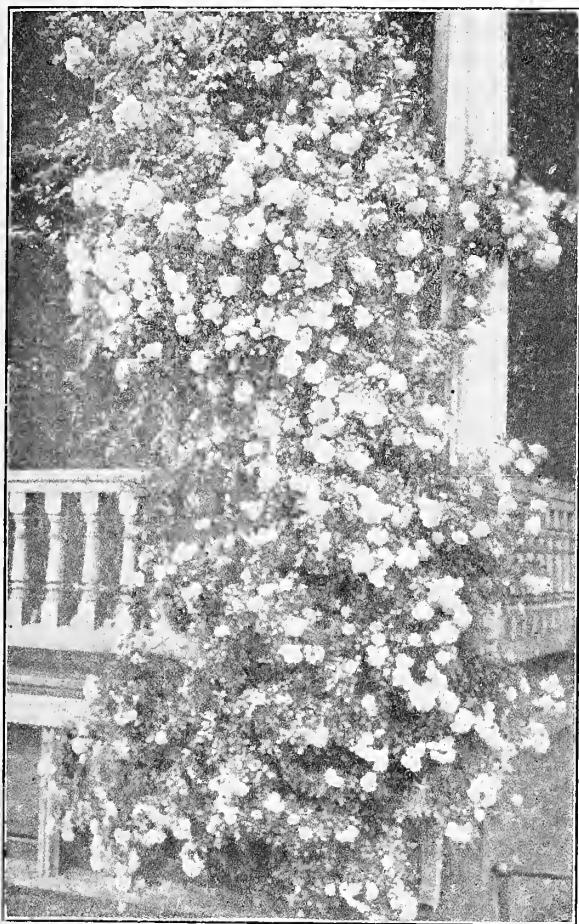
Bright clear golden yellow; entirely hardy. Grows 3 to 4 feet high, and is fine for planting in a group or clump, or among other hardy shrubs. It makes a grand display with its bright golden yellow flowers early in spring. Two-year bushes, 50c each.

CATHERINE ZEIMET OR WHITE BABY RAMBLER.

This is surely a beauty and a great addition to the Baby Ramblers. Grows to a height of twenty inches and produces double pure white flowers in abundance. It has a fragrance similar to Hyacinth, of free compact growth and very attractive. It produces a sheet of white bloom that is certainly a sight worth seeing. Price, 20c and 35c each.



Rosa Rugosa



Tausendschon Roses

Our Banner Collection

Comprising a few of the varieties named before. They are sold at this low price when purchased as a collection. We cannot sell individual plants from this collection at the price named. Single plants will cost the amount named on the other pages.

KAISERIN. Full double blooms on long stems. Color, creamy white. A dandy bedder

HELEN GOULD. One of the best red bedding roses.

CLOTHILDE SOUPERT. Has cluster of pretty white flowers, with pink centers.

MRS. A. R. WADDELL. One of the new orange-colored roses; very hardy and thrifty

GRUSS AU TEPLITZ. The well-known crimson rose. Can be used for hedging.

PRES. CARNOT. A delicate blush-shaded white

PINK COCHET. The most satisfactory pink rose we handle.

MAD. CAROLINE TESTOUT. Since 1890, when this rose was first introduced, it has proved to be the best blooming rose for bedding purposes.

Price of "Banner Collection"—the set of 8 varieties, 1-year-old plants for \$1.00 postpaid—2-year-old, the set for \$2.00—3-year-old, the 8 varieties for \$3.50.

When ordering, please order as the "Banner Collection."

Like the Irishman, I am "spachless" over my flowers, such beauties, and O—those ferns for extras! They are the most beautiful things I ever saw, such fine, healthy looking plants! If you ever run for President of our U. S., you can count on two votes if they pass the suffrage! Thank you so much—you surely get my orders from now on. Sincerely, Mrs. A. J. Keller, Defiance, Mo., April 28th, 1917.

HARDY CLIMBING ROSES INCLUDING THE RAMBLER GROUP CLIMBING AMERICAN BEAUTY

Here we have the latest triumph in American Rose growing, the true Climbing American Beauty in all its promise and glory, the realized dream of every Rose grower. Just the same as American Beauty practically. Large flowers, each produced on separate stems, vivid rosy-crimson in color, with delicious fragrance. Borne in the greatest profusion throughout the growing season. Foliage tough and leathery, deep, glossy green, sun and insect proof. The youngest plants attain a height of 10 to 15 feet in a single season. Hardy and as sturdy as an oak in all localities.

Strong 1-year plants, 20c each; 2-year-old, 35c; larger size 50c.

CLIMBING GRUSS AN TEPLITZ

A climbing form of Gruss an Teplitz. Unquestionably one of the finest climbing roses ever introduced. The color when first opening is very dark rich crimson quickly changing to bright scarlet, shading to velvety fiery-red. The flowers are very showy and handsome. Remarkably healthy and vigorous, almost immune from all diseases.

Price, 20c each; 2-year-old plants, 50c each, by express.

DOROTHY PERKINS

THE BRILLIANT PINK RAMBLER ROSE

Flowers are borne in large clusters, are very double, with prettily crinkled petals; remarkably pretty pointed buds, beautiful clear shell-pink in color, lasting a long time without fading. The bush is perfectly hardy in all localities, a rapid and thrifty grower, bearing its wondrous flowers in great clusters.

Strong 1-year-old plants, 20c each; 2-year-old 50c.

EXCELSA

FIERY-RED RAMBLER ROSE

A splendid new climbing rose, remarkable in many ways but particularly in the brilliant fiery-red, or intense crimson-scarlet of the flowers. The intensely brilliant color is accentuated by the great masses of giant trusses produced on the plants, and furthermore by the contrast with the deep green, glossy foliage. The flowers are very double; they are larger than any of the rambler roses and borne in trusses of thirty to forty on each; the body of the flower is brilliant in color but towards the edge of the petals they light up with a wonderful scarlet-crimson.

Price, 1-year-old plants, 20c each, postpaid; 2-year-old, 50c each.

TAUSENDSCHEON OR THOUSAND BEAUTIES

A GRAND HARDY CLIMBING ROSE

A beautiful, new climbing Rose which has leaped into popularity by its inherent merit and beauty. The name "Thousand Beauties" is very appropriate and refers particularly to the wonderful variety of colorings found on any one plant. The flowers are soft pink at first, but as they age the most beautiful shades of carmine-rose, cerise, blush and soft white with a gleam of light yellow, soft crimson and intermediate tints; a combination of charming coloring which is bewildering.

Price, 1-year-old plants, 20c each; 2-year-old plants, 50c each.

CRIMSON RAMBLER--THE FLOWER OF FAIRFIELD

This splendid new variety differs from the old Crimson Rambler in having a brighter, deeper and more intense color and flowers that are perfectly double to the center, very durable and of excellent substance. It is a very profuse bloomer and a good, healthy grower, producing splendid clusters of perfectly double and intensely brilliant flowers.

Price, one-year-old plants, 20c each; 2-year-old, 50c each.

SHOWER OF GOLD--(New) YELLOW

An extra-choice climber, with deep golden yellow flowers, borne in fine trusses. The foliage is exceptionally beautiful, being a vivid, glossy green.

Price, 1-year-old plants, 20c each, postpaid; 2-year-old 50c each.

JAPANESE TRAILING ROSES

ROSA WICHURIANA (Memorial Rose)

The evergreen, lustrous, dense and healthy foliage of this species make them indispensable for ground covering and shallow hedging. It is difficult to conceive anything more appropriate, beautiful and enduring for covering graves and plots in cemeteries than the Hardy Memorial Rose. It creeps along the ground as closely as an ivy. The flowers are produced in lavish profusion in July. They are single, pure white, with a golden yellow disc, five to six inches in circumference. It is also immensely valuable as a climbing rose, covering arches, fences, etc.

Price, 2-year-old plants, 40c each, 3 for \$1.00; strong plants from 3-inch pots, 20c each, 3 for 50c.

EVER-BLOOMING CANNAS

America's Most Popular Bedding Plant.

This superb collection includes only the very choicest sorts and widest range of color. For a gorgeous display and continuous bloom all summer long until frost, there is no plant that can equal the Canna. They make the most magnificent show in large rows or beds. Our Cannas are all strong 3-inch Pot Plants ready to bloom.

No other plant is better adapted to this country, and nothing which costs so little excels them for masses and beautiful foliage, as well as abundance of dazzling bloom in many shades.

Plant outdoors about the middle of May, if the weather is warm and settled, eighteen inches apart. We send out plants only, as we find they give better satisfaction than the dormant roots. At the single and dozen prices we forward Cannas postpaid. If you need large quantities of Cannas, ask for special quotations.

BEST NEW CANNAS OF RECENT INTRODUCTION

KING HUMBERT.

YELLOW KING HUMBERT.

(Queen Helen)

This is a wonderful new "sport" from King Humbert, bearing the same graceful heart-shaped leaves, but richly all-green instead of bronze; the same regal type and immense size of flower, but a brilliant yellow instead of red, and produced much more abundantly. Although stock of this magnificent variety is still scarce, we predict for it a career fully equal to its red-flowered, dark-leaved parent. Each, 25c; per doz., \$2.50.

NEW CANNA—FIREBIRD.

Claimed by many to be the very best red-flowered, green-leaved Canna today. The flowers are borne in immense trusses, on tall stalks well above the leaves. They are of splendid form, round and shapely. The petals measure 2½ inches and over across, and the color is a clear glistening scarlet without any streaks, spots or blotches. Price 25c each; 5 for \$1.00.

YOUNG'S BEDDING CANNAS

MADAME CROZY.

Bright scarlet, gold border to each petal. Foliage green. A well-known and popular variety. 3½ feet.

SOUVENIR DE ANTOINE CROZY.

A companion to the above, having the same color, but perhaps blooming a little freer. 3 feet.

FLORENCE VAUGHAN.

Rich golden yellow flowers, spotted with red. 4 feet.

MONT BLANC.

This variety is almost pure white. Has large, handsome green foliage. Blooms on strong stems well above the foliage. 3½ feet.

CHARLES HENDERSON.

A fine crimson bedding variety, growing to about 4 feet in height.

VENUS.

Gay rosy pink, with mottled edge of creamy yellow. Beautiful green foliage. 4 feet.

EXPRESS.

Flowers are bright scarlet, with broad petals and conical truss; blooms freely until frost. A splendid variety. 3 feet.

BEAUTE POITEVINE.

Ideal bedding Canna; always in good condition in all kinds of weather; bright rich crimson. 3 feet.

Price, strong plants from 3-inch pots, 15c each, \$1.50 per dozen, postpaid. After May 1st, large plants ready to bloom, from 4-inch pots, 25c each, \$2.50 per dozen, by express.

Mixed Cannas. Comprising good kinds, our selection, superb for bedding or massing. Strong plants, 10c each, 6 for 50c, \$1.00 per dozen, postpaid.

Combines splendid flowers with very showy, attractive foliage. Flowers brilliant orange-scarlet, marked with bright red; sometimes 4 or 5 inches across, borne in great panicles or clusters. Price, 25c each; 5 for \$1.00.

NEW CANNA—FIREFLAME

The large, broad-petaled flowers are produced in fine compact clusters, giving a wealth of flowers the entire season. Color, brightest scarlet-crimson. It is indeed a dwarf bedder, as under the most favorable conditions it only attains a height of 2½ to 3 feet, but generally only 2 to 2½ feet, the bed being literally ablaze with flowers. Price, 25c each; 5 for \$1.00.

CHOICEST ORCHID-FLOWERING CANNAS

Remarkable for large flowers of magnificent color, with heavy, healthy foliage.

Allemania. Gorgeous scarlet. 5 to 6 feet.

Austria. Golden yellow, dotted red. 6 feet.

Burbank. Yellow, spotted crimson. 6 feet.

Italia. Red, with yellow border. 7 feet.

PRESIDENT MYERS.

Fine large flowers of a rich shade of cherry-carmine; foliage distinctly bronze in color. The plant is of a sturdy, robust growth, attaining a height of about 5 feet.

BLACK PRINCE.

Green leaved, tall-growing sort with showy crimson-scarlet flowers, overlaid with maroon.

Kate Gray. Orange. 20c each, 3 for 50c. 7 feet.

Pennsylvania. Red. 20c each, 3 for 50c. 7 feet.

Price of the above Cannas except where noted:—Strong plants from 3-inch pots, 15c each, \$1.50 per dozen, postpaid. After May 1st, large plants, ready to bloom, from 4-inch pots, 25c each, \$2.50 per doz., by express.

FREE ON REQUEST. Instructive leaflet on the successful growing of Cannas.

OUR SPECIAL COLLECTIONS OF CANNAS FOR BEDDING.

BED No. 1. 7 feet in diameter.

7 plants growing 5 feet high for center and first circle.

12 plants growing 3 feet high for outside circle.

The 19 plants, \$2.50, by express, at purchaser's expense.

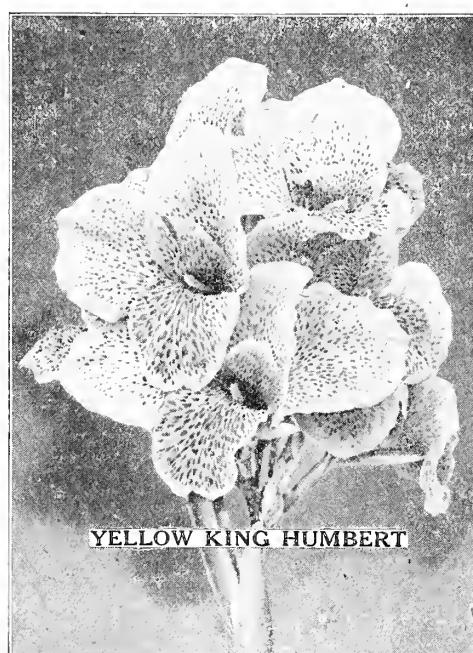
BED No. 2. 10 feet in diameter.

7 plants growing 5 feet high for center and first circle.

12 plants growing 3 feet high for second circle.

18 plants growing 2½ feet high for outside circle.

The 37 plants, \$4.50, by express, at purchaser's expense.



YELLOW KING HUMBERT.

"The plants received today and are in splendid condition. Respectfully, Mrs. Jno. W. Scott, Rolla, Mo."

CHRYSANTHEMUMS Exhibition

These are real "blue-ribbon" plants and we recommend them most highly as dependable prize-winners.

The plants we offer of the following varieties are strong, well-developed, and first-class in every way. We can begin to ship them about March 1, and continue until June 1.

Col. Appleton.—Immense, bright yellow.

Dr. Enguehard.—Beautiful true pink.

Chieftain.—Globular, incurved, full and round; an admirable rose-pink color.

Golden Chadwick.—One of the very best yellows; deep in color and perfectly formed.

Helen Frick.—One of the very best dark pinks, with finished heads 6 inches wide.

Intensity.—One of the very few red varieties. Brilliant crimson; petals reflexed.

White Chieftain.—A perfect ball of compact petals, one of the most dependable white 'mums of its type for late October bloom.

Lynnwood Hall.—A glorious Chrysanthemum, glistening snow white, largest size; perfectly incurved, elegant finish. Stiff stem and beautiful foliage.

WHITE CHADWICK. Flowers nearly pure white, beautifully formed. Very desirable, both in plant and flower.

GOLDEN WEDDING. Flowers measure 5 inches across at maturity. A straggling Japanese type, pure yellow.

Your choice of the above Exhibition Chrysanthemums, good plants, 15c each, 4 for 50c, postpaid.

SINGLE CHRYSANTHEMUM COLLECTION

GARZA. Single row of broad ray petals, well formed center. White; tipped yellow.

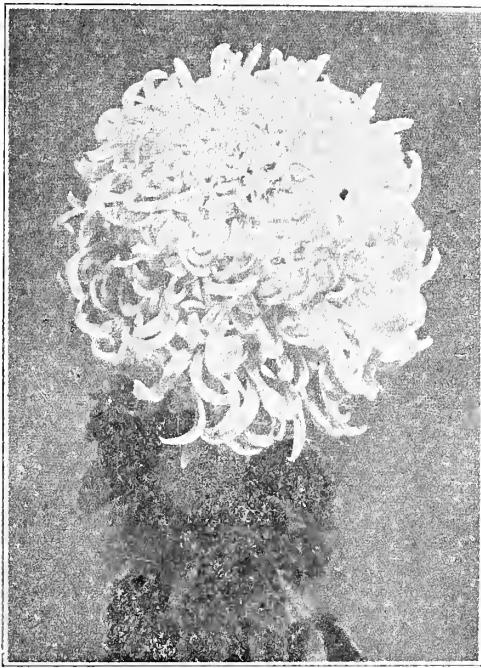
LADY SMITH. Prettiest of all, deep rose pink with golden eye.

SNOW QUEEN. The newest and best pure snowy white

Price, 10c each, the 3 single varieties for 25c, postpaid.

GRANDMOTHER'S HARDY GARDEN 'MUMS

The fragrant, reliable, old fashioned Chrysanthemums that reigned supreme in the garden corners and alongside the house in our grandmother's home, Hardy Red, Hardy Pink, Hardy White, Hardy Yellow. 10c each, 6 for 50c, postpaid.



White Chadwick

EARLY FLOWERING PRIZE-WINNERS

Clementine Touset.—(Early Chadwick). Largest white in the early flowering class.

Golden Glow.—Golden yellow of velvety finish. One of the earliest and best.

Polly Rose.—Extremely early, pure white.

Unaka.—Incurved; one of the best early sorts; a warm lavender pink.

Glory of the Pacific.—Showy pink.

Chrysolora.—A large incurved, with perfect stem and foliage; immense yellow.

Early Snow.—A magnificent white, very early; a grand flower.

Marion Newell.—One of those pretty reflexed varieties. A true pink.

Silver Wedding.—The purest white.

Price, 10c each, \$1.00 per dozen.

POMPON CHRYSANTHEMUMS

These beautiful small flowered varieties are again coming to the front, and are certain to become popular for outdoor bedding purposes. They are absolutely hardy.

KLONDIKE. Most beautiful yellow in the family; extra fine.

MINTA. A very free flowering light pink, unsurpassed by any of this color.

LITTLE BOB. Crimson-maroon; very fine.

HELEN NEWBERRY. Two inches in diameter, high, rounded flowers of purest white, maturing Thanksgiving to Christmas, when most Pompons are gone.

GOLDEN WEST. In a class quite by itself; a fine grower with dainty foliage and stiff stems.

FAIRY QUEEN. Large Pompon; rosy heliotrope; nothing like it in the entire 'mum' family.

LILIA. Golden bronze. One of the best in the family.

MADGE. Pure yellow. Extra fine.

Price, 10c each, \$1.00 per dozen, postpaid.

YOUNG'S EVER-BLOOMING CARNATIONS

We offer strong plants and, whether planted in the open ground or in pots, they quickly make large specimens, blooming profusely during the summer. For winter bloom pinch the plants back from time to time during the summer. Bring indoors in early fall. Grown in pots they will bloom abundantly during the winter.

NOVELTY SET OF NEW CARNATIONS

Enchantress.—The standard shade of shell-pink.

Mrs. C. W. Ward.—One of the very good deep pink sorts, of attractive size and form, very free bloomer.

Pocahontas.—Magnificent in form, size, and especially in color, which is velvety crimson.

Thomas W. Lawson.—Very deep pink.

White Enchantress.—White, absolutely pure.

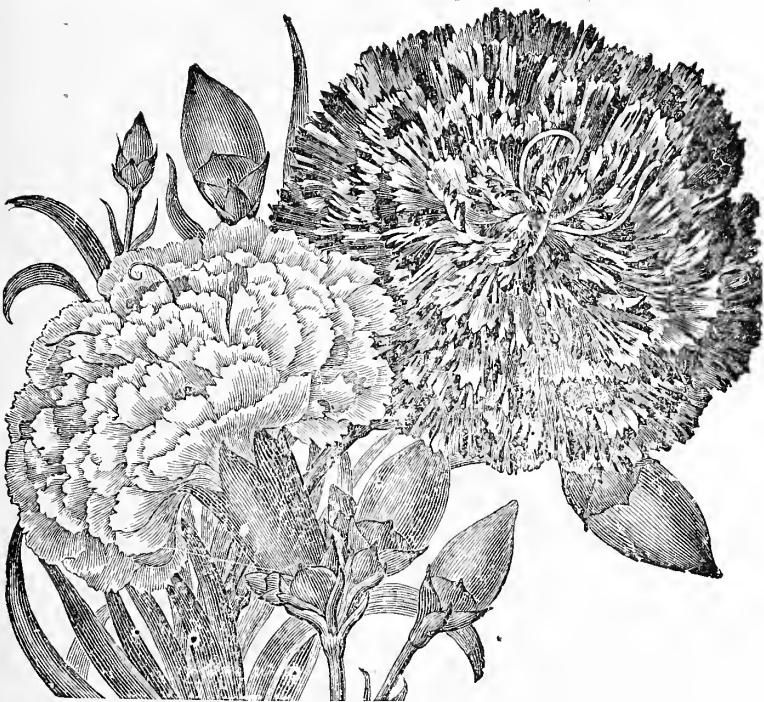
Beacon.—Brilliant scarlet with crimson tones; a free-flowering sort.

Dorothy Gordon.—Splendid pink.

Price, 10c each, 6 for 50c postpaid.

We can supply large one-year-old Carnation plants. These are strong bushy plants and will commence to bloom as soon as planted out and will continue to flower all throughout the summer.

Price, 25c each, \$2.50 per dozen, by express only, too large to mail.



Monthly Carnations

Received my order, everything came in fine condition—thanks for the lovely extra rose. Mrs. Frank Bachman, 302 W. Church St., Salem Ills.

DAHLIAS

The Dahlia is one of the most important Summer and Autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers.

It is one of the easiest of all flowers to cultivate. Deep and thorough stirring of the soil during the early growth of the plant is indispensable, but later in the season frequent surface cultivation only should be given. Plant in an open, sunny situation, at least where the sun reaches them the greater portion of the day. It is a rank feeder, and should have well-enriched soil; keep free from grass and weeds. Water regularly in dry weather. Plant the bulbs four inches below the surface of the ground, laying the bulb on its side. Don't stand on end with the crown out. Do not plant until the ground has become warm. As soon as the frost has killed the foliage the roots should be carefully taken from the ground and the soil shaken from among them; must be stored away in a cool place, not too dry, but secure from frost.

NOTE—We fill all orders with strong, divided dormant roots. All prices are prepaid, except where noted.

SHOW DAHLIAS

The "Show" Dahlias are of ball shape with full, round, regular form and cupped or quilled petals.

CHOICEST NAMED VARIETIES

Arabella.—This is the most beautiful Dahlia of the entire collection. The inner petals are a clear, creamy yellow, shading toward the outside to a pink, making a beautiful combination of cream and pink that is hard to describe. The flower is of large size, perfect form, double clear to the center and the most free bloomer we ever saw. Medium height, compact bush. Whatever else you get, you should have this one by all means.

A. D. Lavoni.—A beautiful deep pink, perfect form, extra long, large stems, very free flowering.

White Swan.—Pure white. The most popular white for cut flowers. A free bloomer and a strong grower, which is not always the case with other whites.

Dorothy Peacock.—(Decorative.) A beautiful show; color best shell pink. Fine for cutting.

Jack Rose.—(Decorative.) Rich, velvety crimson. An ideal cut variety.

Delice.—The most popular variety. Its beautiful soft, yet lively color, a glowing rose pink, together with its perfect shape, stout, stiff stems which hold the flowers well above the foliage, and the fact that when cut, it retains its freshness for a long time, makes this one of the most valuable sorts.

Triomphe de Solferino.—(Show). Dwarf; bright solferino; good bedder.

Yellow Duke.—(Decorative.) Pure canary yellow.

Merlin.—A beautiful orange-scarlet. One of the very finest Dahlias ever offered. Free-flowering and good for cut-flower purposes.

Stradella.—Beautiful deep purple-crimson. Exceptionally free-flowering. Stems long and wiry. One of the finest to date.

Hortulanus Witte.—(Decorative.) A very large, long-stemmed, free-flowering, pure white. A splendid cut flower and exhibition variety.

Magnificent.—(Show.) Pure yellow; dwarf, splendid habit.

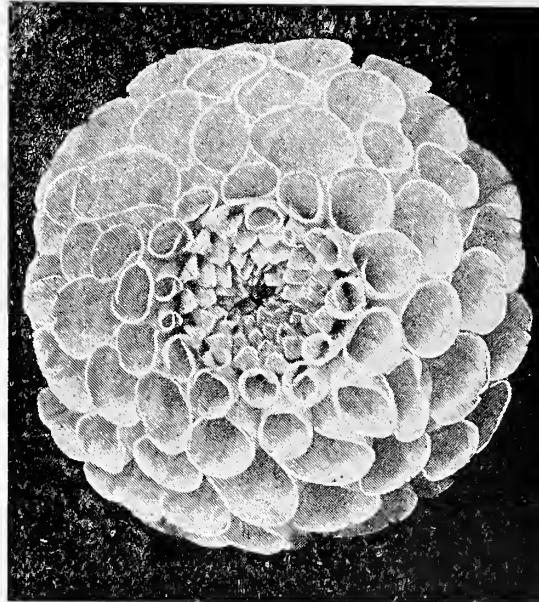
Price of above Show Dahlias, 25c each, \$2.50 per doz., postpaid.

ALL LIVE ROOTS

The Dahlias we ship are divisions of field-grown clumps and are guaranteed to be sound and alive and to sprout with any ordinary care. Remember, the sprout on a Dahlia root or tuber comes right at the neck or stem end. You often cannot see the bud or sprout at first, as it is dormant, but it will appear with warmth and moisture.

MIXED DAHLIAS

We have quite a lot of mixed Dahlias, all colors and kinds, which we will sell cheap. They are mostly double, but some single. Cannot promise any special colors. They are good, sound bulbs, all good bloomers, and a bargain at the price. 10c each, 3 for 25c, 7 for 50c, 15 for \$1.00, all postpaid.



Dahlia—White Swan

PEONY FLOWERED DAHLIAS

This is the newest type of Dahlias and is remarkable for the large size of its flowers and its vigorous growth. It is fine in the garden or for cut flowers. If you want something fine, try this new type, which is just as easy to grow as any other variety.

Hampton Court.—(Peony.) One of the best yet introduced. A bold flower of good form, of a bright mauve color.

Bertha von Suttner.—(Peony). This beautiful variety for habit of growth, freedom of bloom, with every flower coming perfect, always carried erect. Color blush rose, with salmon tint.

Hon. R. L. Borden.—(Peony.) Large, distinct, rich golden bronze. One of the finest of recent introductions.

Mrs. Chas. L. Seybold.—(Peony.) Distinct, bright, crimson-pink, each petal tipped white. A strikingly beautiful variety.

Price of Peony Dahlias, 35c each, 4 for \$1.25, postpaid.

CACTUS DAHLIAS

This type has become wonderfully popular of late years. We have endeavored to list some of the most meritorious of the new varieties and the best of the standard kinds.

Countess of Lonsdale.—(Cactus.) Deep crimson, shaded purple.

Floradora—A remarkably free-flowering, blood red.

Prince of Yellows.—(Cactus.) A rich canary yellow. One of the best yellows for cuttings.

Mrs. Chas. Scott.—(Cactus.) Old gold, shaded apricot.

Sweetbriar.—(Cactus.) A superb variety of an exquisite shade of pink; very free, on good stiff stems.

Winsome.—(Cactus.) Pure white.

Price of Cactus Dahlias, 25c each, \$2.50 per doz.

POMPON DAHLIAS

These are a miniature form of the show and fancy Dahlias, having the same round, ball-like form, but being much smaller. The plants are also much smaller, but no type produces as many flowers. The plants are literally covered and as the blooms can be cut in sprays, they are valuable as cut flowers. We offer several of the most distinct.

Allie Mourey.—(Pompon.) Pinkish white, tipped deep pink.

Indian Chief.—(Pompon). Bright intense crimson.

Little Herman.—(Pompon.) Deep red, tipped white.

Little Helen.—(Pompon.) Pure white, splendid for cuttings.

Little May.—(Pompon.) Bright lemon yellow.

Any of the above, 20c each, \$2.00 per dozen.

YOUNG'S SUMMER-FLOWERING PLANTS

ABUTILONS.

(Flowering Maples.)

Always popular for pot plants, for summer bedding or in vases and baskets. Their flowers are perfect bell-shaped, of various colors, and appear in masses all summer.

Savitzii. Handsome green leaves edged with white. Flowers are bell-shaped and droop gracefully. **15c** each, 4 for **50c**; larger size, **20c** each.

Eclipse. Gold-spotted leaves, shaped like the maple, drooping slightly.

Boule de Neige. A very good white; free bloomer. **10c** each.

AGERATUM.

Princess Pauline. A distinct and novel variety of dwarf, compact habit, rarely growing over 5 inches high. It is peculiar in its flowers—the same plant blooms blue and white. Fine for bedding.

Stella Gurney. A dwarf, compact grower, extremely free-blooming. The flowers are deep blue, very large. An excellent bedding plant, either alone or as a border around geraniums. Your choice, **10c** each, \$**1.00** per dozen.

DWARF ANTIRRHINUMS

These plants are excellent for bedding purposes; the flowers are extra large while the plant seldom grows over 6 inches high.

ROSE QUEEN. A beautiful pink.

BUFF QUEEN. A pretty buff color.

GOLDEN FAIRY. One of the best yellows.

Price, **10c** each, 3 for **25c**, postpaid. Large plants. **20c** each, 3 for **50c**, by express.

TUBEROUS-ROOTED BEGONIAS.

Double. White, Crimson, Scarlet, Rose and Yellow. Large-flowering bulbs, **15c** each, **25c** for 2, **\$1.25** per dozen, postpaid.

Single. White, Crimson, Scarlet, Rose and Yellow. Large-flowering bulbs, **10c** each, **25c** for 3, postpaid.

Growing plants of the above Tuberous-rooted Begonias, your choice of kind and color, **25c each, **\$1.00** for 5, by express only at purchaser's expense.**



Begonia—Pres. Carnot.



ALTERNANTHERAS.

Bright-leaved plants much used for "carpet bedding." The leaves are yellow, rosy red, pink and bronze **10c** each, **75c** per dozen, **\$4.00** per 100.

Asparagus Sprengeri. For pots, vases or hanging baskets. The long, slender branches droop most gracefully, clothed with feathery, emerald-green fronds. Strong plants, **15c** each, 4 for **50c**; larger size, **20c** each.

Asparagus Plumosus. Feathery or lace-like foliage on long, slender stems. **20c** each, 3 for **50c**; larger size, **25c** each.

ALYSSUM.

Double White. Pure white, perfectly double flowers in long trusses. Very lovely and wonderfully fragrant. **10c** each, **75c** per dozen.

YOUNG'S BLOOMING BEGONIAS.

Beautiful, free-flowering plants with attractive foliage and exceedingly graceful flowers. They are ideal for window boxes, blooming freely in shaded situations. Some varieties are fine for bedding.

Metallica. A shrubby variety, good grower and free bloomer; leaves triangular; under side of leaf and stem hairy; the surface has a lustrous metallic or bronze color, veined darker. Flowers white.

President Carnot. A strong growing variety of stiff, upright habit; foliage large, upper side green, under side purplish red; flowers beautiful coral-red in large pendent panicles.

Corallina Lucerna. A superb new variety of the Coral Begonia, producing gigantic trusses of bronzy-red flowers and flowering continuously from April to November. The foliage is dotted with silvery white. Price **25c**.

Begonia Rubra. One of the finest Begonias in cultivation. Its dark, glossy green leaves, combined with its free-flowering habit, make it one of the very best plants for house or conservatory decoration. The flowers are a scarlet-rose color.

Otto Hacker. In a class by itself. A strong vigorous grower, of fine upright habit, with large shining deep green leaves, eight to ten inches long. Flowers bright coral red, borne in immense clusters, eight to ten inches across.

Marjorie Daw (Trailing). Bright salmon-pink flowers produced in broad panicles, drooping down from under the foliage. A rapid grower with bright green "angel-wing" leaves.

Gloire de Chateline. A very valuable variety that bids fair to become popular. It is an easy grower, free flowering, excellent both as a house plant and for bedding purposes.

Your choice of the above Blooming Begonias, **15c** each, **25c** for any 2, postpaid. Large plants, **25c** each, **\$2.50** per dozen, by express at purchaser's expense.

NEW DWARF VERNON BEGONIAS.

Crimson. Extra-good bloomer, with odd foliage; flowers beautiful crimson.

Pink. Free bloomer; flowers delicate pink.

White. Beautiful foliage; a free bloomer and very dwarf.

Your choice, **15c** each, **40c** for 3, postpaid.

BEEFSTEAK BEGONIAS.

Very ornamental; leaves silvery on top, red underneath. Very pretty flowers. **15c** each, 2 for **25c**, postpaid.

PAINTED-LEAVED, OR REX BEGONIAS.

They are the handsomest of all Begonias, and the most admired by all. Try some of them. We have five leading and distinct kinds that we can furnish. Price, **20c** each; three for **50c**.

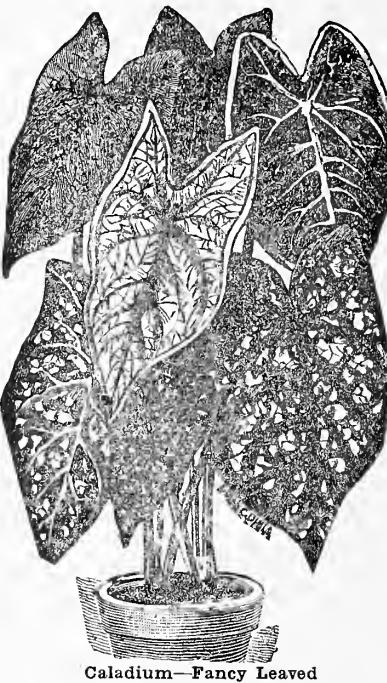
CALADIUM—ELEPHANT'S EAR

Esculentum.—Very effective and suitable for single or specimen plants on the lawn. The leaves are heart-shaped, and give a rich tropical effect to the grounds. They attain enormous size—often 3 feet long by 20 inches wide. When extra-large leaves are wanted, give a liberal supply of water and fertilize heavily. Extra-sized bulbs, 12 to 15 inches in circumference, \$1.00 each, postpaid; first-size bulbs, 9 to 10 inches in circumference 40c each, \$3.50 per doz.; second size bulbs, 7 to 8 inches in circumference, 25c each, \$2.00 per dozen; third size bulbs, 5 to 6 inches in circumference, 15c each, \$1.00 per dozen.

Fancy Leaved.—These varieties do not grow as strong as the above, but the leaves are variously spotted, and are exceedingly ornamental, thriving well when planted outdoors, after danger of frost is over. Large sized bulbs, producing 6 distinct colors of leaves already started, can be delivered after April 1. Choice sorts, 20c each, 3 for 50c, \$1.50 per dozen, postpaid. (See Cut.)

COBOEA SCANDENS**Cup-and-Saucer Vine**

A beautiful climber, of rapid growth, bearing large purple cup-and-saucer-shaped flowers. For covering harbors, trellises, etc., it is unsurpassed. 20c each, 3 for 50c.



Caladium—Fancy Leaved

YOUNG'S NOVELTY COLORED COLEUS

These are surely the cream of all Coleus. Yellows, maroons, greens and variegated shades vie with each other for leadership. They are beauties. Excellent for bordering. Price, 10c each, 75c per dozen.

Cinnamon Vine.—A beautiful, hardy climbing vine, with heart-shaped leaves and delicate white blossoms. 15c for 3 bulbs, 6 for 25c, 50c per dozen, 25 for \$1.00, postpaid.

HELIOTROPE**FOUR GRAND NEW VARIETIES**

Heliotropes are universal favorites on account of their delightful fragrance and flowering equally as well as hedging plants in the summer, or as pot plants in the house during the winter. A bed filled with them produces a mass of color that can hardly be equaled by any other kind of plants. Indeed, there is nothing that will give so many sweet-scented flowers all through the summer as Heliotropes. They can be potted up in the fall and will flower more or less all winter.

BESSON'S FLEURE. Rich dark purple; a fine grower.

CAMELEON. Rich lavender, large white eye.

CZARINA. Another good one. Deep purple and fragrant.

ROYAL PURPLE. Color deep violet purple, with white eye. Price, 15c each; four sorts for 50c.

EVER-BLOOMING CAPE JESSAMINE

This grand novelty does not differ from the common Cape Jessamine or Gardenia except it blossoms all the year round, while the old sort blossoms only for a short time in the spring. The flowers of this are very large and perfect with pure white wax-like petals and glorious fragrance. Large, double and surpassingly lovely. A good plant will show flowers every day in the year, and it is an easy thing to manage, growing well as a window plant. 50c each, postpaid. Large plants, by express, \$1.00 each.



Cyperus Alternifolius

CALLA LILIES

Ethiopica.—This is the well known and ever popular White Calla Lily whose chaste, waxen beauty has lent itself for generations to typify purity and sacredness. There is nothing to take its place in decorations for church functions, and its presence in the home is ever an inspiration. 35c.

Elliotiana.—Leaves dark green with creamy white spots; flowers a richly lustrous golden yellow. 50c each.

The Godfrey Ever-blooming Calla.—(New.) Flowers as large as the largest and out-bloom the others three to one; pure white. Plants dwarf and compact. 25c each.

ALOYSIA CITRIODORA

The well-known "Lemon Verbena," noted for its delightful fragrance of foliage. No garden is complete without it. 15c each; \$1.25 per dozen.

ASPIDISTRAS

Lurida.—A very graceful, broad-leaved decorative plant which stands up unusually well against the hardships of gas, etc., and is rich in color; dark green. Large specimens by express, \$1.00 each.

GIANT PERSIAN CYCLAMEN

A beautiful and decorative pot plant. The foliage is of a dark, olive green, beautifully variegated with silver and rose. Flowers are produced in boundless profusion for several months. Assorted colors, 25c and 50c each.

NEW COLEUS—"FOREST PARK BEAUTY"

The foliage of this most beautiful Coleus is simply indescribable. The leaves, when fully developed, are ten inches long by eight inches in width, the prevailing color is crimson, interlaced with green, carmine, yellow, chocolate, etc. It is without doubt the most strikingly handsome of all foliage plants. Price, 15c each, \$1.50 per dozen.

Trailing Queen.—Elegant fringed leaves blending from pink to crimson, finely scalloped edges. The plant is half trailing or running and is well adapted for window boxes, baskets or vases. Price, 10c each; per dozen, \$1.00.

HIBISCUS PEACHBLOW

A fine Chinese variety. The flowers are double and from four to five inches in diameter; light, soft, clear pink, deep crimson blotch in center. It blooms continuously. Price, 15c each, \$1.50 per dozen.

Assorted Chinese Hibiscus.—Double and single, best named sorts. A fine assortment. These are splendid in the South where they live out all winter. Great, large, brilliant flowers produced in wanton profusion. They are fine conservatory shrubs. Price, 15c each, \$1.50 per dozen.

Two-year-old plants, 35c each, by express.

CROTONS

The Crotons are among the finest decorative foliage plants known. As easy to grow as coleus, and much brighter in their colorings. The leaves of all are more or less veined and margined, sometimes entirely variegated with shades of yellow, orange and crimson. Some have long, narrow leaves, arching gracefully, fountain fashion; others are broad and short, oak-leaved. Crotons love heat, sunshine and moisture. 35c each, 3 for \$1.00, postpaid.



Croton

CYPERUS—UMBRELLA PLANT

Alternifolia (Umbrella Plant).—A splendid house plant. Can be grown in bowl, dish or vase, half filled with rich soil, then with water. Requires little attention, and remains evergreen throughout the year. 15c each, 50c for 4; larger size, 25c each, postpaid.

DECORATIVE PLANTS FOR ALL PURPOSES

A fern here, a palm placed there, sometimes give that touch of finish that is so much desired. The foliage of these decorative plants are always in harmony with most rooms, and a careful selection will add much to improve the appearance of the interior furnishings. We furnish thousands each year to the most palatial residences in St. Louis and elsewhere.

FERN DISH COLLECTION

We will mail 6 plants in 6 varieties of our choice for 50c.

BOSTON FERNS

Still the leader of all Ferns. Its pretty fronds, which have a graceful, drooping habit, commend it as a plant of merit. It grows rapidly under all conditions and its reasonable price places it within the reach of all. It is really too well known to need a lengthy description. 15c and 25c each, by mail, postpaid. By express, 4-in. pots, 50c; 5-in. pots, 75c; 6-in. pots, \$1.00.

OSTRICH-PLUME FERN

Whitmanii.—We think this the most popular Fern. Rather dwarf in growth, but graceful, very compact, dense and feathery. Each frond or branch has a double row of perfect little fronds set at right angles to the midrib, and so thick they seem almost crowded. It is a healthy, vigorous grower, constantly unfolding fresh fronds of light green that contrast exquisitely with the deep green of the older fronds. It is somewhat like Barrovia, but decidedly more fluffy, more delicate and beautiful. Fine young plants, 15c, 25c and 35c. By express, 4-in. pots, 50c.; 5-in. pots, 75c; 6-in. pots, \$1.00.

SCOTTII, THE BEST DWARF FERN

A miniature Boston Fern, retaining all the excellent features of the mother plant, except the habit of growth, this being dwarf where the other is tall. For a place where a plant is desired that takes up little room and at the same time is ornamental, we recommend this plant. 15c and 25c each, postpaid; larger plants, 50c and \$1.00 each, by express.

Japanese or Globe Ferns

When you receive this Fern there is no visible sign of life, but immerse it in water three or four times a week and in a couple of weeks, a shoot appears and rapidly this seemingly dead plant changes into one of the prettiest Ferns imaginable. It is a Japanese novelty, and can be hung up like a hanging basket. Two sizes, 50c and 75c each.

OTAHEITE ORANGE

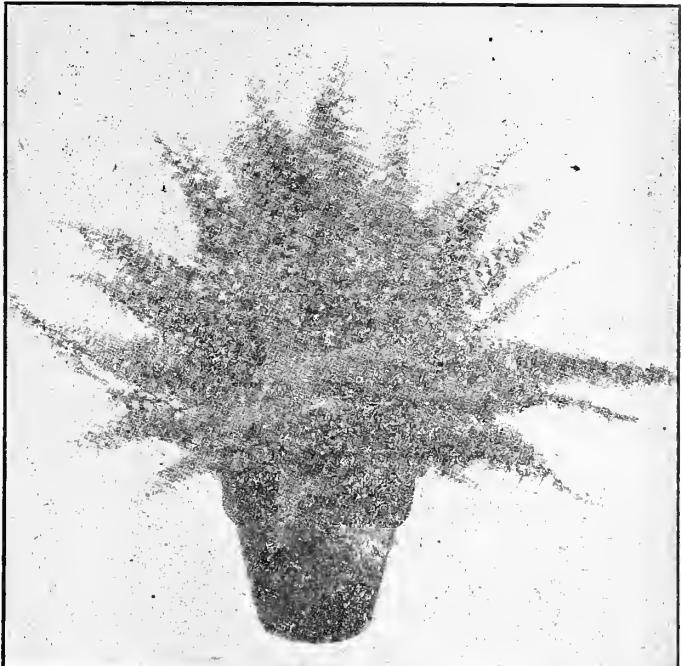
Best orange for pot culture. Plant dwarf and symmetrical. Blooms freely; delightful orange fragrance; sometimes maturing edible fruit half the size of ordinary oranges. A grand plant for winter; nearly always in bloom. Nice young plants, 25c each, postpaid.

PONDEROSA LEMON

Makes a splendid pot-plant, as its glossy, dark green, leathery leaves are as ornamental as palms, rubber plants, etc. Will stand rough usage, and even neglect, remarkably well. Fragrant white flowers in clusters; often bears fruit under good care, showing blossoms and fruit on the tree at the same time. Nice plants, 25c each, postpaid.



Pandanus Utilis (Screw Pine)



The Ostrich Plume Fern is Attractive

OSTRICH FEATHER PALM

(*Areca Lutescens*)

Foliage is rich, glossy green, with bright yellow stems, full of grace and beauty; easily grown. Strong plants. Price, 50c and 75c each.

KENTIA BELMOREANA

This Palm is not affected by the dust and dry air of the house, and will grow and thrive where few other plants would live. Plants, 6 to 8 inches high, 50c each.

Larger plants, 75c each, by express.

COCOS WEDDELLIANA PALM. This Palm has graceful, arching fronds and fine deep green leaves. It is especially suitable for fern-dishes. 6 to 8 inches high, 3 fronds, 30c each, postpaid; larger size, 50c each, by express.

Parlor Foliage Collection

4 Strong Plants for Only 50c, Postpaid

In this collection we give you a strong plant of the best of all Ferns, "Whitmanii," also a plant of the new Fern "Scholtzi," together with a Boston Fern and a plant of the Lace Fern, for 50c.

FOUR ELEGANT WINDOW PLANTS For 50 CENTS.

THE RUBBER PLANT

(*Ficus Elastica*)

This well-known plant has thick, olive-green leaves and graceful, polished stems. Fine plants, 50c and 75c each, postpaid; larger sizes, if sent by express, 75c and \$1.00 each.

SANSEVERIA

A plant of wondrous beauty. Its stripes are crosswise, with broad white variegations on a dark green ground. They grow to the height of from two to four feet, and will do well anywhere. 120c each, postpaid.

PANDANUS VEITCHII

Gracefully curved foliage, light green striped with broad bands of pure white. An attractive decorative plant that stands ordinary house culture well, and is always fresh and bright in appearance. Price, \$1.00 each.

PANDANUS UTILIS

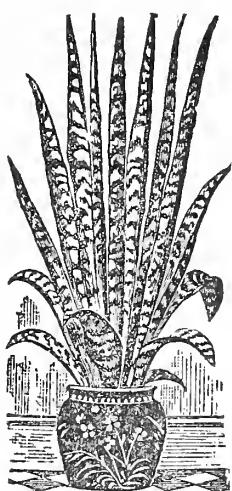
(SCREW PINE)

This is perhaps the most useful of our ornamental foliage plants. (See Cut.) Price, from 6-inch pots, \$1.25 each; 5-inch pots, 75c each.

MANETTIA BICOLOR

The most beautiful and desirable of all vines. Can be grown in house or garden. In the house it can be trained about a window, forming a wreath of the most brilliant bloom both summer and winter. Flowers of a most intense scarlet, shading into flame, tipped with bright golden-yellow.

Price, 10c each; three for 25c.



Sanseveria

Received the Roses April 25, No. 3856, and they are just fine. I am more than pleased with them. Thanks for the extra one. Me for Young's always. Thanking you for the prompt attention, I am, Yours sincerely, Mrs. R. J. Fawcett, 737 S. Grant St., Springfield, Mo.



Geranium—American Beauty

GERANIUM—AMERICAN BEAUTY

This variety was named American Beauty by the introducer because the color is almost identically the color of the popular rose of that name. The beautiful semi-double flowers are deep rosy-carmine, shaded with carmine-crimson. They are not affected by extremes of weather. The habit is perfect; semi-dwarf, branching and compact; the trusses are produced on long stems held well above the foliage. Price, 20c each; 3 for 50c.

THREE SCENTED GERANIUMS

Mrs. Taylor.—Similar to the Rose Geranium in fragrance, but the flowers are single, scarlet.

Nutmeg.—Has the scent of the ground nutmeg; excellent for bouquets.

Rose.—The favorite. Used for cooking, jellies, etc. 15c each, the 3 for 25c. postpaid.

THE STRAWBERRY GERANIUM**A lovely Plant for Baskets and Vases**

One of the handsomest plants imaginable, a gem of many colors, exceedingly rare and beautiful. Leaves nearly round and striped freely with silver bands—blooms white, of great beauty and borne in spikes nearly twelve inches high; of easiest growth. Adapted for hanging baskets, vases, etc. Will stand neglect and mistreatment and grow very rapidly either in sunny places or shade. Price, 10c each; 3 for 25c.

VARIEGATED-LEAVED GERANIUM

MME. SALLEROI. Bright green leaves, edged white; grows only one foot high and is universally used for bordering beds. Dwarf, compact habit. 10c each, \$1.00 per doz.

WEEPING LANTANA

This plant is of very rapid growth, and graceful drooping habit, with lovely dark green foliage, producing a cluster of flowers at each leaf. The flowers are a most delicate, clear, brilliant, rosy-lilac color.

Price, 10c each; 3 for 25c.

DWARF LANTANAS

These showy bedding and basket plants are steadily increasing in popularity. They bloom continuously from spring until frost; flowers resemble verbenas, and embrace all shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another as they increase in age and development.

A. COOK. Dwarf; opens orange and yellow; changes to bright rose; a free bloomer; foliage and florets small; very pretty.

ALBA PERFECTA. Pure white. A gem among white bedders.

JAVOTTE. Center bright yellow; light border; very free bloomer; a good variety.

JACQUES MINOT. Plant vigorous but compact in growth; flower at first opening is deep orange-red, changing to deep vivid crimson; very fine, and brightest Lantana we have.

RADIATION. Opens orange-yellow, changing to brilliant red florets; very large; a good bloomer, showing both colors until in full bloom.

SUNSET. Bright golden yellow of immense size, changing to orange and yellow, with brilliant red center.

PINK BEAUTY. Covered with flowers of silvery rose with center of soft yellow; a beautiful contrast.

Your choice of the above Dwarf Lantanas, 10c each, 25c for 3, postpaid.

YOUNG'S CHOICEST GERANIUMS

Alphonse Ricard.—Produces flowers in great masses Both floret and truss are of enormous size. Color a brilliant shade of orange-red.

Beacon.—A magnificent new Geranium; flowers cardinal-red with white eye; florets large and round.

Col. W. Cody.—The trusses of bloom and individual flowers are of immense size and excellent shape. Beautiful rosy-salmon-nicely shaded and tinted deep orange to pure salmon.

Heteranthe.—Exceptionally large trusses of semi-double flowers; clear orange-scarlet.

John Doyle.—Color, richest scarlet, bright and effective. This is conceded to be the finest bedding Geranium in its color.

Mrs. E. G. Hill.—Distinct and pleasing shade of salmon with light shading to center. Finest salmon flowered.

Jean Viaud.—Brilliant rose-pink with white throat; fresh and exquisite; very attractive semi-double flowers, trusses of enormous size.

La Favorite.—One of the finest double Whites in this class; pure in color; flowers of an enormous size; a continuous bloomer.

Mad. Barney.—A splended bedding variety; extremely large, double flowers of brilliant rose. For solid beds of deep, showy pink, this variety is not surpassed. It is the one used in such great numbers for cemetery bedding.

S. A. Nutt.—“Old as the hills,” but the one variety always dependable for a constant blaze of crimson from May until snow fall.

Queen of the West.—The best bedding Geranium in cultivation; grows freely and blooms in the greatest profusion, light glowing scarlet; in fine trusses.

Price, strong plants, 15c each, 4 for 50c, 9 for \$1.00, \$1.25 per dozen.

LARGE GERANIUMS FOR BEDDING

There is always a great demand for large Geraniums that will give immediate results when bedded out. To meet this demand we have grown a fine stock of the best varieties of standard colors in 4-inch pots.

Special Offer.—Geraniums in any color, double or single, large plants in bud or bloom, 15c each, \$1.50 per dozen.

PANSY GERANIUMS

There is nothing that gives better returns for a little care, when grown in the window garden, than these; literally covered with flowers, frequently in bloom all summer.

MRS. LAYAL. The true Pansy Geranium. The color and marking of the flowers are most extraordinary—light pink, white, dark purple, black, etc., almost rivaling the pansy in uniqueness of flower. Price, 20c each; 3 for 50c, postpaid. Large plants, 35c each, 3 for \$1.00, by express.

EASTER GREETING

The flowers of Easter Greeting have the large size and the gorgeously rich coloring of the “Lady Washington Geranium.” To this is added, in Easter Greeting, the habit of continuous blooming, which has made the ordinary bedding Geranium so highly valued. Easter Greeting is the first of a new race and one of the most valuable introductions in recent years. As an Easter plant it rivals the Azalea; but unlike the Azalea, Easter Greeting will remain in full bloom all summer. Each 25c, postpaid; larger plants in bud or bloom, 35c each; 3 for \$1.00, by express.

GERANIUMS—IVY LEAVED

ACHIEVEMENT. Distinct and pleasing shade of soft cerise-pink; immense semi-double flowers, freely produced in large trusses.

CAESAR FRANCK. One of the most popular Ivy Geraniums yet introduced; the color is an attractive shade of soft, rich crimson.

MME. THIBAUT. Magnificent shade of clear rosy-pink, upper petals delicately but distinctly feathered deep crimson-maroon; immense trusses.

MRS. BANKS. Flowers are large, semi-double, and borne in medium-sized trusses on long, wiry stems; color a pleasing shade of blush-white.

Price, 15c each, the set of four varieties for 50c. Larger plants, 25c each, by express.

HYDRANGEAS

We know of no plant that is more useful as a decorative pot or tub plant for the porch or veranda than the Hydrangea. They are of the easiest culture, increasing in size and beauty from year to year. A well grown specimen is a beautiful sight, remaining in bloom throughout the entire season. They should be wintered dormant in a cold cellar. A little freezing will not injure them.

OTASKA. This is the favorite old variety, producing immense heads of pink flowers, changing to green. Price, 15c.

MONSTROSA. A new variety claimed to be an improvement on the large Japanese Otaska, having larger flowers and trusses. A grand variety in every respect. Price, 15c.

SPECIAL OFFER. The two varieties, 25c, by mail, postpaid.

HARDY JAPAN LILIES

Auratum.—(Gold-banded Lily.) Justly famous as the most beautiful and fragrant of all Lilies; flowers white, dotted crimson, with a clear, broad golden band running through the center of each petal. First size bulbs, 20c each, 50c for 3.

Speciosum Melpomene.—Flowers frosty white, spotted and clouded with pinkish crimson. Large bulbs, 20c each, 50c for 3.

Single Tiger Lily.—(*Lilium tigrinum*) Very hardy native Lily; orange-red, spotted with purplish black. It is very pretty and bears eight to twenty flowers. 10c each, \$1.00 per dozen.

Double Tiger Lily.—(*Lilium tigrinum, flore pleno*). Famous for its bright orange-yellow flowers. These are borne in great abundance on the stems, which grow 4 to 6 feet high. Good bulbs, 12c each, \$1.25 per dozen.

All Lily Bulbs delivered free.

Instructive Leaflet on Lily Culture for House and Garden sent free on request.

THE GREAT PANAMA LILY A Grand Sensational Novelty

A grand summer-flowering bulb, producing large, amaryllis-like, pure white fragrant blossoms in great abundance. Keep the bulbs in a dry, warm place, and plant out in June. Bulbs can be taken up in October, and, after a few weeks' rest, potted for winter blooming in the house, or kept over for planting out another season. Our bulbs are large and strong, and begin to flower in two or three weeks after planting, sending up tall flower stems, which bear several magnificent blossoms. As a pot-plant it is grand, and as a garden bulb, treated like gladioli, it is one of the choicest of all flowers. Strong flowering bulbs, 20c each, 50c for 3, \$1.00 for 7.

MADEIRA VINE

The old favorite, "Climbing Mignonette." Much prized for porches and arbors, on account of its rapid growth and freedom from insects. Thick, glossy leaves, and long, hanging stems of feathery, fragrant white flowers. Large-sized tubers, 5c each, 50c per dozen, postpaid.



Gladioli "Princeps"

GLADIOLI

Our Dollar Collection

America.—Large, flesh-pink flower; very beautiful.

Augusta.—Lovely, pure white flowers with blue anthers; strong, straight spike, often having two and three branches.

Blue Jay.—Good-sized dark violet or blue flowers, well arranged on straight spike.

Burlington.—Bright pink, beautifully tinged with orange-scarlet; carmine and white throat.

Keokuk.—Deep, bright pink, clouded, tinted and spotted slate-blue.

Mohonk.—A strong, rank grower; flowers of large size and great substance; deep dark pink with spotted throat, shaded orange and flaked with maroon.

Princeps.—Rich crimson with very deep shadings in the throat and blotches on lower petals.

Waukesha.—Salmon-pink, shaded lighter inside; large, beautiful primrose throat thickly mottled crimson.

Good bulbs, one each of the above 8 varieties, \$1.00, postpaid.

"Y. AND S." MIXTURE

Composed of extra fine named varieties and including a choice assortment of novelties. Good bulbs, 8c each, 75c per dozen, postpaid.

RAINBOW MIXTURE

Includes a fine assortment of colors, just the varieties you want for a fine display in your garden. Good bulbs, 5c each, 50c per dozen, postpaid.

GIANT DOUBLE PETUNIAS

We have discarded the plain edged sorts, as the fringed and laced varieties listed below are very much superior. These are very superior strains, and must be seen to be appreciated. Be sure and include them in your order.

White Swan.—Pure glistening white, center tinted rose.

Pink Beauty.—Pink is a rare color in double petunias. This variety is a pretty shade of lavender-pink. Your choice, good plants, 15c each; one of each for 25c, postpaid.

SINGLE FRINGED PETUNIAS

Large Flowering

For many years we have been very large growers of Petunias. The plants we offer are from seed saved from our finest flowers and will bear large, beautiful blossoms, deep-throated, of various brilliant colors and beautifully fringed. Plants ready April 1.

Good plants, 10c each, 25c for 3, postpaid. Extra large plants in bud or bloom, 15c each, 25c for 2, \$1.50 per dozen, by express at purchaser's expense.

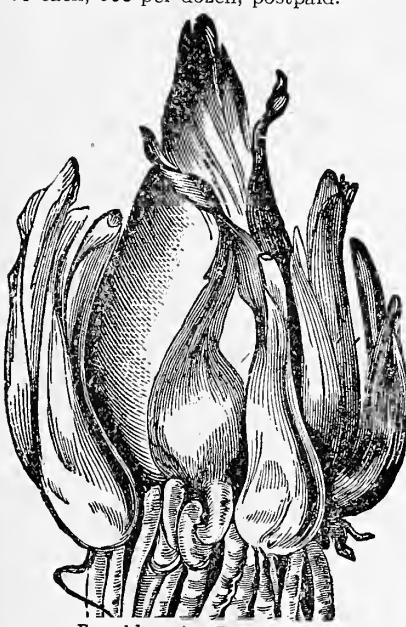
YOUNG'S TUBEROSES

Excelsior Pearl.—Grows about 18 inches high; blooms very early; extra large size, selected bulbs all sure to bloom. Extra large bulbs, 5c each, 50c per dozen. Wanted by mail, add 10c per dozen for postage.

YOUNG'S EVER-BLOOMING TUBEROSE BULBS

A wonderful new single Tuberose that blooms continuously from early in July until it is stopped by frost. Unlike any other Tuberose, it flowers the year after from the same bulb, the young roots also producing flower stems. Price, 7c each, 4 for 25c, 50c a dozen, postpaid.

The package by express received in good condition, and a package by mail received. Thank you for the same. Yours truly, Mrs. F. A. Rathert, Red Bud, Ill., April 30, 1917.



Ever-blooming Tuberose Bulb



Fuchsia—"Mrs. Marshall"

ZURICH, THE EVER-BLOOMING SALVIA

A mass of fiery red flowers from spring until frost. It has proved such an improvement over the other sorts that we are handling it exclusively. We have never seen its equal. The plants grow just the right height, $2\frac{1}{2}$ feet, and the foliage extends to the base of the plants, which tends to make them excellent for planting alone. When in bloom the plants are almost a solid mass of intense scarlet, brilliant and dazzling when backed by green shrubbery or taller plants. We consider this new Salvia the best of all the Flowering Sage family. 10c each, \$1.00 per doz., postpaid; larger size 15c each, \$1.50 per dozen, by express, at purchaser's expense.

NEW SINGLE VIOLET

GOVERNOR HERRICK. The grand single flowers, of a true violet-blue color that does not fade, are of round, symmetrical form, almost as large as Pansies and of the richest, most delicious fragrance. Price, good strong plants, from 3-inch pots, 15c each, 4 or 50c, \$1.00 per dozen.

GLOXINIAS

Charming plants of dwarf habit, producing large and splendid blooms in the greatest abundance under the commonest culture. Is pure white with threads of blue, scarlet, rose or crimson, or the tubes are of bright color, with white throat. Strong bulbs. Each 25c, doz. \$2.50.

PASSIFLORAS (PASSION VINE)

PFORDTI. This we consider the best of all. Its beautiful flowers are borne freely, even on quite small plants. They are of a rich shade of blue, suffused with rose. (See cut.) Price, 25c each, postpaid; 2-year-old plants, 50c each, by express.



Passion Flower—Pfordti

FREE-BLOOMING FUCHSIAS**EASILY GROWN, SURE TO BLOOM**

Fuchsias are certainly one of the most graceful and interesting classes of pot plants grown. They delight in a rich, light soil, and a partially shaded situation, with plenty of water. This one of the few plants will succeed best in a north window or on a north porch during the summer season. Young plants planted in the garden will bloom profusely until October, but they must be planted in the coolest spot or in partial shade as the sun will injure the foliage.

SPECIOSA—The True Winter-Blooming Fuchsia. Flowers are large and of the most graceful form; color, rich carmine and rose; a most charming window plant. 15c each, postpaid.

CHARMING. Entirely distinct from any other variety. The flowers are of an intense rich carmine. Price, 20c each.

MRS. MARSHALL. White tube and petals, bright, rosy scarlet corolla, flowers large and bold, free bloomer and grower, single. Price, 20c each.

ROSAIN'S PATRIE. Fine double, white tube and petals rosy carmine, corolla pure white. 20c each.

PANSY PLANTS

Pansy plants planted in the spring as soon as the frost is out of the ground will begin to bloom at once, and afford daily pleasure for a month before Coleus or Geraniums could even be planted. If snow should fall after planting they would not be hurt. In fact, to get the best results from Pansies, they should be planted just as early as they can be. To get best results and extra large flowers, the soil must be extremely rich—we use equal parts, well rotted manure and soil. Price, 5c each, 50c per dozen, postpaid; large plants in bud and bloom, 75c per dozen, by express.

PLUMBAGO

ALBA. A very showy plant for house or outdoor culture. Lovely white flowers.

CAPENSIS. Excellent pot-plants, flowering freely at all times of the year. Clear blue flowers, borne in large clusters; exceedingly beautiful. They are of very easy culture, growing in any situation as freely as geraniums.

Your choice, 15c each, one of each for 25c, postpaid.

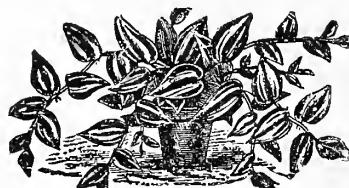
IMPATIENS SULTANI

A lovely plant, either for house-culture or open ground; nearly always loaded with brilliant, rosy-crimson flowers; very showy and beautiful. 15c each, 2 for 25c, postpaid.

SANTOLINA TOMENTOSA

A most neat and effective white border plant, forming dense, compact bunches, not over six inches high, and from six to ten inches in diameter. This is a fine companion to the Alternantheras, growing the same height and contrasting finely.

Price, 5c each, 50c per dozen.



Wandering Jew

WANDERING JEW

The old favorite which grows equally as well in water as in soil. We have the dark colored one and a white and green variety. Price, 10c each; \$1.00 per dozen.

IVY

VARIEGATED GROUND IVY. A thrifty and rapid grower, and a fine acquisition to our list of basket or vase plants. It has light green leaves, bordered with pure white. 10c each, \$1.00 per dozen.

ENGLISH IVY. Invaluable evergreen variety, used for covering walls, etc. Has become very popular for cemetery work, especially if in the shade where grass will not succeed. 10c each, 25c for 3, \$1.00 per doz.

GERMAN IVY. A fine, quick-growing, trailing plant unsurpassed for hanging baskets and urns. 10c each, \$1.00 per doz.

New Paris Daisies

CORONATION. A splendid new white variety from England, with extra large flowers which completely cover the plant. 10c, \$1.00 per dozen.

ETOILE D'OR. The distinguishing feature of this sort is its pretty light yellow color. 15c, \$1.50 per dozen.

MRS. F. SANDERS. A new double pure white form, very attractive. Practically all flowers come with nicely filled centers, although it varies somewhat, like all double Daisies. 20c.

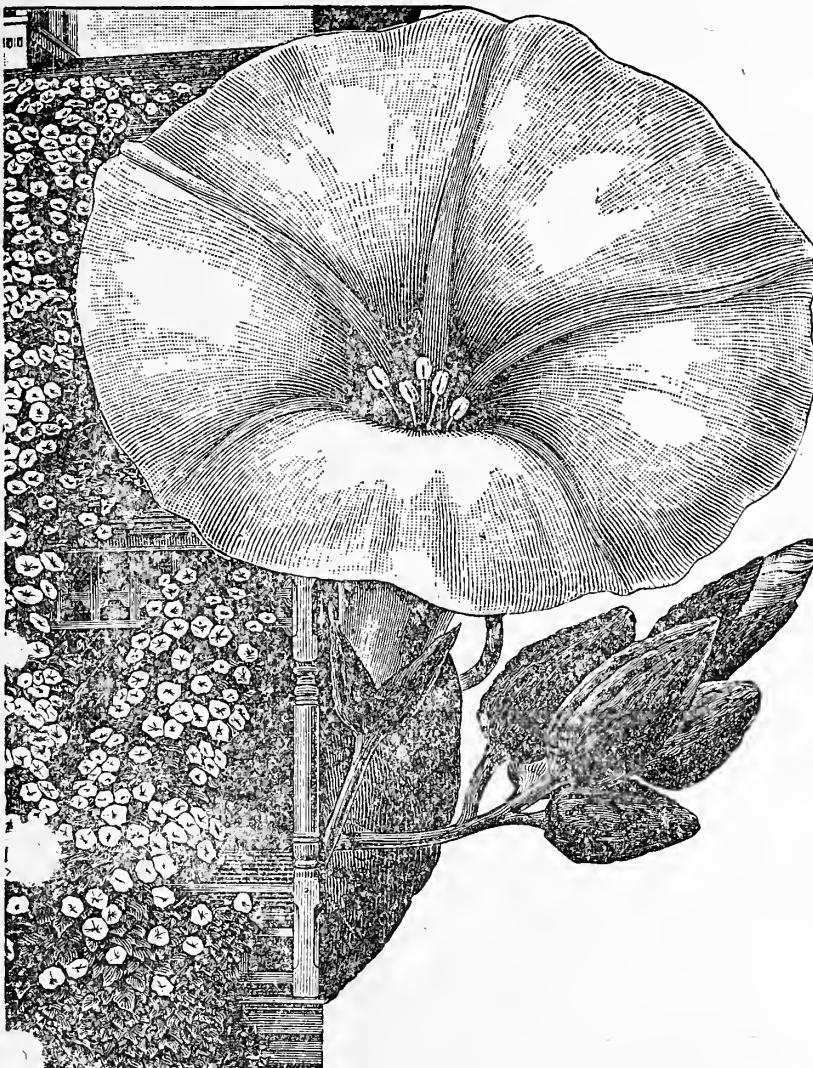
VINCA MAJOR

(Variegated)

A beautiful variegated trailing plant, admirably adapted for hanging baskets and vases. The leaves are a glossy green, broadly margined a creamy white; flowers blue. Price, 10c each. Large plants with vines two to three feet long, 25c.



Paris Daisy



New Moon Vine—Maxima

BEAUTIFUL HARDY CLIMBING VINES

Boston Ivy

A beautiful hardy climbing plant, for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping leaves, which form a perfect mass of foliage. The color is a fresh, deep green in summer, changing to the brightest shade of crimson and yellow in autumn. It is quite hardy, and becomes more popular every year. Price, strong 1-year pot grown plants, **25c** each; **\$2.50** per dozen.

BIGNONIA—Trumpet Vine

For covering unsightly places, stumps, rockwork, or wherever a showy-flowering vine is desired, the Bignonias will be found very useful. The flowers are large, attractive and borne profusely when the plants attain a fair size.

Radicans.—Dark red, orange throat, free blooming and very hardy. Price, **35c** each, 3 for **\$1.00**.

SWEET-SCENTED JAPAN CLEMATIS

Virgin's Bower, Clematis Paniculata

This is one of the finest climbing vines you can get. Flowers rich, creamy white, borne in handsome clusters, completely covering the vine with beautiful star-shaped blossoms; exceedingly fragrant, the sweetest of all Clematis, and one of the hardiest and easiest to grow. Price, strong 2-year plants, **25c** each; **\$2.50** per dozen.

KUDZU VINE

The leaves are dark green in color and of a soft wooly texture. A new hardy climber; will run 30 to 40 feet in a season, and quickly cover porches, fences, tall trees, etc. Strong roots, **25c** each; larger size, **35c** each.

NEW GIANT MOON FLOWER

(*Ipomea Maxima*, Wonderfully Fragrant)

A decided improvement over the old variety *Ipomea Grandiflora*.

The flowers are more than twice the size of the old variety, selected flowers reaching $7\frac{1}{2}$ inches, and are produced in such wonderful profusion that they completely cover the vine with a veil of glistening white. On moonlight nights and cloudy days the effect is charming in the extreme. It forms a perfect screen of rich green foliage. Add to these qualities its delightful sweet magnolia fragrance and prosaic fact or poetic fancy could not ask for more. (See cut.) Price, **20c** each, **\$2.00** per dozen. Extra large plants, **35c** each, 3 for **\$1.00**, by express.

BLUE DAWN FLOWER (*Ipomea Leari*)

A strong, vigorous climbing vine, with lovely, large, bell-shaped flowers of pure heavenly blue. The flowers are borne in astonishing profusion. Price, **20c** each, 3 for **50c**, postpaid; larger plants, **35c**, 3 for **\$1.00**, by express.

VERBENA—NEW MAMMOTH

Verbenas are now, and have been for years, one of our leading specialties. We have carefully selected and improved our stock of Mammoth Verbenas since we introduced them, and confidently offer our new varieties for this year as improvements on former years. The colors range through the brightest and most beautiful shades of scarlet, purple, crimson, pink, blue, white, etc.

Verbenas. Unnamed; choice assortment of colors. Price, **5c** each, **50c** per dozen; large plants in bud or bloom, **10c** each, **75c** per dozen, by express.

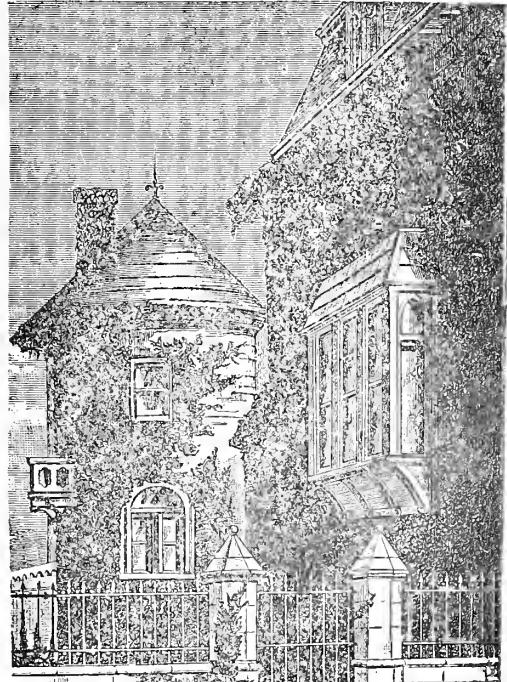
DAISY

Every garden, however small, should have a few plants of the Daisy. They are among the first flowers of spring, blooming almost as soon as the snow is gone. Plant in a cool shady place, if possible. In severe winters they need a slight protection of straw or leaves.

Three varieties: Double White, Double Red, and Longfellow. Price, **10c** each, **75c** per dozen.

MYRTLE—GREEN

A handsome trailing plant largely used for cemetery planting. Has beautiful, glossy, dark green leaves forming a mat over the surface of the ground. Flowers heavenly blue. Each, **10c**; doz., **\$1.00**; \$6.00 per 100.



Boston Ivy

YOUNG'S HARDY PLANTS FOR THE GARDEN

ALL HARDY

All of the plants listed on this page are Hardy Perennials. That is they live permanently and indefinitely from one planting. They are all perfectly hardy in any part of the country, and all are easily grown. They should be planted very early in the spring. Some of them can be planted in the fall also, but most of them are to be planted in the spring. They cannot, as a rule, however, be planted late in the spring, but must be planted very early. In this latitude that means sometime in March or April.

AQUILEGIA—COLUMBINE

One of the most elegant and beautiful of hardy plants, producing graceful spurred flowers on long stems. Price, 15c each; 2 for 25c; \$1.50 per dozen.

COREOPSIS

LANCEOLATA GRANDIFLORA. Flowers rich golden yellow; on stems two or three feet high. They remind one of a yellow cosmos. Price, 15c each.

DELPHINIUM—HARDY LARKSPUR

The hardy Larkspur should be planted extensively even in the smallest garden. Their long spikes of blue flowers are produced continuously from June until late fall. Strong plants 15c each; or 3 for 40c.

FUNKIA—DAY LILY

VARIEGATED LEAVED. Leaves as handsome as a flower. A rosette cluster of almost white leaves, lightly striped with green and yellow. Flowers pretty pink, lilac blue on tall spikes. Price, 20c each; three for 50c.

LARGE WHITE. Blooms continuously from August until frost, producing scores and even hundreds of its large lilies. Handsome light green foliage. Price, 20c each.

LEMON LILY—HEMEROCALLIS FLAVA

Few plants present a more striking appearance on the lawn or border than a large clump of this clear, lemon-colored Lily, which is produced in the greatest profusion, lasting in flower a long time. Price, 20c each; three for 50c.

HOLLYHOCKS

Once planted they come up each year, increasing in size and beauty. They are absolutely essential for an effective back-ground for your garden. We can supply them in four colors—Red, Pink, Lemon, and White. 15c each, \$1.50 per dozen.

ALLEGHENY HOLLYHOCKS

A new single fringed type. Splendid bloomer and extra-hardy. Has the same tall-growing habits of the old type. We can only supply these in the assorted colors, unlabeled. 15c each, \$1.50 per dozen.



Shasta Daisies

SHASTA DAISY

Giant flowering type. Very hardy and is a very good plant for the front of your hardy garden as it doesn't grow very tall. 15c each, \$1.50 per dozen.

ORIENTAL POPPY

PERENNIAL POPPY. These are the big flaming scarlet poppies that grow as big as a plate, and make such a sensation when they bloom. The root is hardy, and the plants bloom better and better the older they get. The plants can be transplanted either in the fall or late in the spring, and while they are a little hard to get to live, they are well worth the trouble. We have a fine lot of plants. Price, 15c each, 2 for 25c.

DIELYTRA SPECTABILIS
BLEEDING HEART

These pretty spring bloomers with their graceful, drooping sprays of heart-shaped pink and white flowers, are very ornamental, and bloom freely early in season. Price, 25c each.



Stokesia Cyanea (Cornflower Aster)

CORNFLOWER ASTER
STOKESIA CYANEA OR CORN-
FLOWER ASTER

Flowers lavender-blue. Price, 15c each; four for 50c.

FOXGLOVE—DIGITALIS

The strong flower-stalks—frequently four to six feet high—rising from rich and luxuriant masses of leaves, always give an elegant appearance to the hardy border. Mixed colors. Price, 20c each; 3 for 50c.

GAILLARDIA

BLANKET FLOWER

GRANDIFLORA. Makes one of the most gorgeous and prodigal displays of all perennials. Flowers often measure three inches in diameter, on clean two-foot stems. A hard center of deep maroon is thickly bordered by petals of orange and yellow, strikingly ringed by circles of crimson, red and maroon. Poor soil will do, and a constant show is assured from June till frost. Price, 15c each, 2 for 25c.

HELIANTHUS

HARDY SUNFLOWER

The perennial Sunflowers are among the most effective hardy plants for large borders for planting among shrubbery or as clumps on the lawn.

MARIMILIANA. The latest of all, perfecting its fine golden-yellow flowers in long, graceful sprays during October, when all others have finished flowering; invaluable for cutting; 5 to 7 feet.

MULTIFLORUS MAXIMUM. A gigantic single variety, growing from 5 to 6 feet high, producing immense single golden-yellow flowers from 6 to 8 inches across; from August to September; one of the finest. Price, 15c each; 2 for 25c; \$1.50 per dozen.

HIBISCUS—MALLOW

HARDY WHITE HIBISCUS. (White Mallow.) Tall, free-flowering, perfectly hardy; color white, deep crimson center. Price, 30c each; 2 for 50c.

HARDY PINK HIBISCUS. (Pink Mallow.) Similar to the hardy white Hibiscus, but the flower is of a clear even pink, very striking. Price, 30c each; 2 for 50c.

HARDY CRIMSON HIBISCUS. (Crimson Mallow.) Immense striking deep crimson flowers; nothing with as much merit has been introduced in recent years. Price, 35c each.

GOLDEN GLOW
DOUBLE RUDBECKIA

Bears immense masses of large, round, golden yellow flowers for weeks. Price, 15c each; clumps, 20c each.

Platycodon Grandiflorum
PLATYCODON

A valuable perennial bearing a constant succession of handsome, bell-shaped, deep blue and white flowers, from July until late in September; succeeds well in any ordinary soil, (see cut.) 20c each, \$2.00 per dozen.

My flower order, No. 2568, came yesterday (all except the bulbs which are to follow later). The flowers were in fine condition, I never seen nicer—thank you so much—also accept my thanks for the extras—they were certainly all one could desire. Yours sincerely, Mrs. A. J. Keller, Defiance, Mo., April 6, 1917.

HARDY PHLOX

These we consider one of the most desirable of hardy flowers. The flower-heads often measure from 7 to 9 inches across. Flowers as large as a silver quarter, and in some cases as large as a half dollar. Comprises all shades from vermillion to white. They do best in a sunny location and rich soil, but are not particular and will do well anywhere. Can be set either fall or spring, but not late in the spring.

AURORA. A pretty, delicate, soft pale rose.

B. COMTE—Brilliant, rich French purple.

MRS. JENKINS. The best white variety in our collection.

PANTHEON. Uniform bright carmine-rose.

SIEBOLD. Dwarf. Bright salmon-pink.

R. P. STRUTHERS. In our estimation the very best Phlox grown today—it has no faults. Color, clear, cherry-red, suffused with salmon shades; deep red eye; fine large truss.

SUNSHINE. Large, aniline-red with crimson-red eye.

FRAU ANTON BUCHNER (Medium.) The finest white variety yet introduced.

RHEINLANDER. A beautiful salmon-pink with flowers and trusses of immense size.

LA VAGUE (Medium.) Pure mauve, with aniline-red eye.

ROSENBERG. (Medium.) Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

DANTON (Medium.) Scarlet, pure red eye.

Price, 15c each, \$1.50 per dozen, postpaid; if ordered by express much larger plants can be sent.

JAPANESE IRIS—IRIS KAEMPFERI

GRANDIFLORA. These magnificent Iris are among the most beautiful of our summer flowering plants, and rival the Orchids in their colorings. The prevailing colors are white, crimson, rose-lilac, lavender, violet and blue. Each flower usually contains several shades, while a golden-yellow blotch at the base of the petals intensifies the wealth of coloring. Price, double and single flowered, mixed varieties, 25c each, postpaid; 3 for 60c; 6 for \$1.10; ten distinct sorts for \$1.80; by express.

HARDY ORNAMENTAL GRASSES

EULALIA JAPONICA ZEBINA (Zebra Striped Grass.) The foliage is distinctly marked across the leaf with broad, yellow bands. 20c.

EULALIA GRACILLIMA (Japan Rush.) Narrow green leaves with a silvery-white midrib. This plant is of most graceful habit and is very useful for decorative purposes, and the center of vases, as well as making an attractive lawn plant; perfectly hardy. 20c.

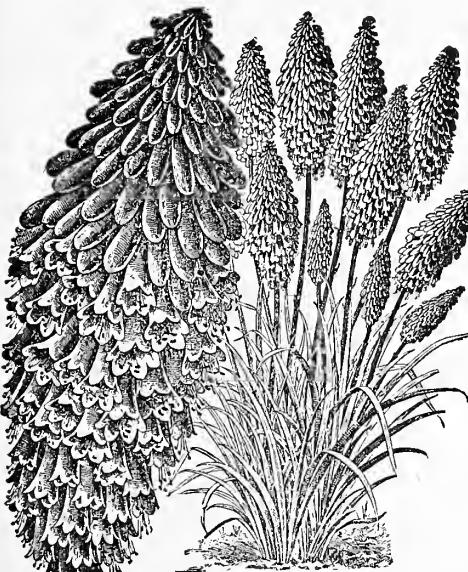
SWEET WILLIAMS

Every one knows these beautiful old-fashioned flowers. They are hardy anywhere, and are sure to be satisfactory. They grow like pinks, but make great heads of blooms instead of separate flowers. Price, 10c each, 3 for 25c.

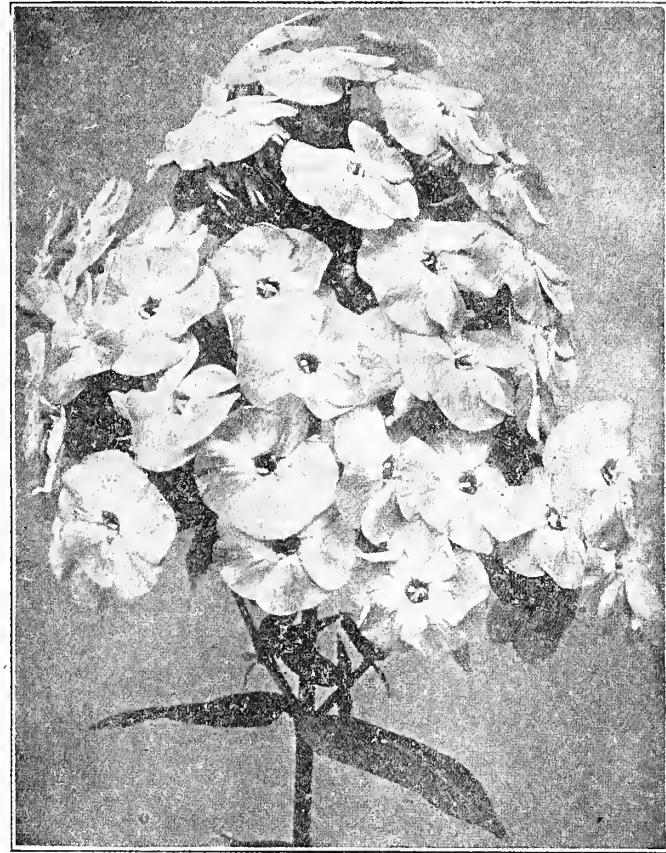
Perennial Sweet Peas.—(Lathyrus Latifolius.) Looks like the regular sweet pea, but lives for years, and gets better the older it gets. Will stand any amount of drouth and still stay green and blooming. Comes in white, pink and red, or mixtures of these colors. A single plant, when once established, will make a great mass of vines. Price 10c each, 3 for 25c.

HARDY GARDEN PINKS

The Grass Pink is a favorite in old gardens. It is small, but intensely fragrant. Comes in all colors, but mostly pink. Price 10c each, 3 for 25c.



Tritoma Pfitzerii



Young's Hardy Phlox

IRIS GERMANICA

The Iris deserves to be better known and more extensively grown. We consider it one of the most beautiful of all hardy flowers. In the first place it is absolutely hardy; it will grow and thrive and bloom in any soil and in any climate; it will stand any kind of winter, no matter how severe, and will stand a dry summer that will almost kill anything else; it will increase and multiply, and always looks well, whether in bloom or not.

The few and common varieties of the old-fashioned garden have been increased by flower lovers and scientific plant breeders to a host of beautiful colors and rare beauties.

WHEN TO PLANT IRIS

Iris is one flower that can be planted at almost any time of the year. We like best to plant it in the fall or early spring, but really it can be planted almost any time with a fair chance of success.

Special Offer.—Mixed varieties of Iris, good strong plants. Price 15c each, 2 for 25c; \$1.25 per dozen.

This mixture contains a good assortment of varieties and plants of some of our very finest ones will be found in it.

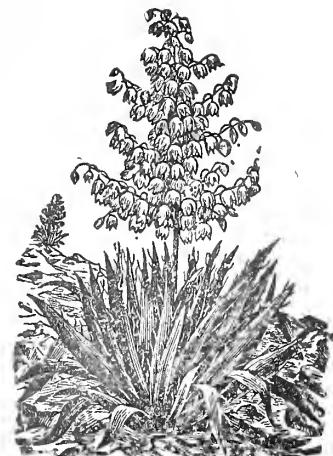
TRITOMA RED HOT POKER

Pfitzerii.—The flower spikes are of gigantic size, frequently four and one-half feet high, with heads of blooms over twelve inches long, of a rich orange-scarlet, shading to salmon-rose on edge. Price, 25c each; 3 for 60c.

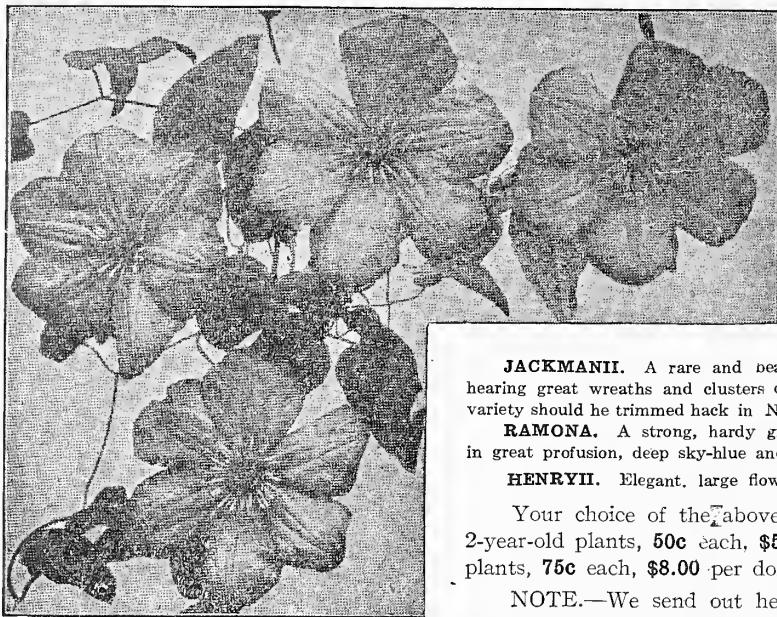
YUCCA FILAMENTOSA

(Adam's Needle)

An evergreen. This plant is an object of beauty the year around, if only its leaves are seen; the flower stalks are 4 to 5 feet high with 50 to 200 bell-shaped, creamy-white blossoms hanging from branching arms; hardy. (See cut.) Large plants, 50c.



Yucca Filamentosa



Clematis Jackmanii

WATER LILIES AND AQUATICS

WATER LILIES



Nymphaea Odorata Rosea—(Hardy Pink Water Lily)

SPECIAL NOTE. Water Lily plants to be delivered after May the 1st.

PINK LILY. Has fragrant blooms of delicate pink. The Cape Cod Lily, 50c each.

YELLOW LILY. Yellow flowers with brown leaves. 30c each.

WHITE LILY. Pure white; flowers six inches; leaves eighteen inches, 25c each.

LEAFLET "HOW TO MANAGE A WATER GARDEN" sent free on request.



Water Hyacinth

WATER HYACINTH

One of the most remarkable, curious and beautiful plants we have ever grown. Instead of growing in soil, it floats in the water. Each flower is larger than a silver dollar; color, a soft lilac rose, sparkling as if covered with diamond dust. Will grow in the open air in summer and in the window in winter; in anything which will hold water. Price, 15c ea., 2 for 25c, postpaid.

HARDY ENGLISH or LARGE-FLOWERED CLEMATIS

THE JUSTLY PROUD QUEEN OF ALL CLIMBERS

With its large, beautiful flowers of many colors, produced in profusion the entire season, is admired by everyone, the world over. It is a rapid grower and delights in a heavy, rich soil and a sunny position. In planting, throw out the soil to about one foot deep, placing some broken pots or bricks and stones in the bottom for drainage. Cover these with a few inches of soil; then form a mound in the center, over which spread out the roots of the plant, and fill in the soil, watering a few times as soil is replaced. Plant so that the crown of the roots will be three inches below the surface of the soil. Water freely, especially in dry times. Give plants a good top-dressing of well-rotted manure late in the fall, and in the spring spade well and carefully into the soil and you will be well repaid. The varieties below are those best adapted to our climate.

JACKMANII. A rare and beautiful hardy climbing vine of slender, twining growth, and bearing great wreaths and clusters of splendid purple flowers, 5 to 6 inches in diameter. This variety should be trimmed back in November, as its blossoms come on the new shoots. (See cut.)

RAMONA. A strong, hardy grower and very free bloomer; flowers very large and borne in great profusion, deep sky-blue and very handsome.

HENRYII. Elegant, large flowers, rich creamy white; enormous bloomer; very fine.

Your choice of the above Clematis, extra size for immediate effect, strong, 2-year-old plants, 50c each, \$5.00 per dozen, postpaid. Extra strong, 3-year-old plants, 75c each, \$8.00 per dozen, by express at purchaser's expense.

NOTE.—We send out healthy Clematis plants and cannot entertain complaints as to their not growing.

HONEYSUCKLE

Among the most desirable hardy climbers. Grows with great freedom in any garden soil. Very desirable for porches. When trained to wire fence, makes a good hedge.

THE BEAUTIFUL HALLIANA HONEYSUCKLE. This variety is intensely sweet-scented. It is a strong, clean, neat grower, perfectly hardy, almost evergreen, with leaves that shine as if varnished; constant and most profuse bloomer; flowers buff-yellow, passing to white.

EVERGREEN SWEET-SCENTED HONEYSUCKLE. A hardy, vigorous grower; deliciously sweet; flowers buff, yellow and white.

SCARLET TRUMPET. The most beautiful and brilliant of all Honeysuckles; is also the hardest and most vigorous. The stems often twine about second story windows, wreathing them in early spring with large, inodorous clusters of long, tubular scarlet flowers. The foliage is bluish green, the berries scarlet. Also called Coral Honeysuckle.

Price of above Honeysuckles, strong, 2-year-old plants, 35c each, 3 for \$1.00; by express.

MAGNIFICENT WISTARIAS

The Wistarias are valuable for training over buildings, second-floor porches, balconies, etc., wherever tall-growing climbers are wanted. They are hardy, rapid growers, and the flowers are borne in long, pendulous clusters, as shown in the illustration; they bloom early in the season.

CHINESE BLUE. Bears splendid, long, drooping clusters of lovely violet-purple flowers, deliciously sweet.

Price, large size, 35c each, 3 for \$1.00, by express.

CHINESE WHITE. Pure white flowers, borne in long, drooping clusters; one of the most beautiful of all. Price, 50c each, by express.

LARGE DOUBLE FLOWERING PEONIES

Once planted they will last a life-time with little care. They grow from one to three feet high, producing magnificent blooms, which sometimes almost surpass the beauty of the Rose. Another point which is largely in their favor, is the fact that the plants are never attacked by either insects, animal or fungal diseases. Peonies will succeed in most any kind of soil, but give best results when planted in a deep, rich and somewhat moist loam.

PEONIES IN DISTINCT COLORS

We have an elegant collection of peonies in the most distinct and choice colors, and we offer you them in White, Pink and Crimson Shades, all double varieties, at following prices:

CHOICE MIXED PEONIES

	Each	Doz.
WHITE VARIETIES, MIXED	25c	\$2.50
PINK VARIETIES, MIXED	25c	2.50
RED VARIETIES, MIXED	25c	2.50

PEONY PRICES include delivery by mail, postpaid, but if ordered hy express or freight, purchaser to pay transportation charges, much larger plants will be sent for the same money.

LILY-OF-THE-VALLEY CLUMPS FOR OUTSIDE PLANTING

The most satisfactory of all the spring-flowering plants. Every garden should have at least a few clumps of these beautiful flowers. Planted once they last forever, with hardly any care. They are perfectly hardy and increase in size from year to year; can be divided and transplanted, and are always sure to give a profusion of bloom.

Clumps that will produce from twelve to fifteen flowers the first spring. 35c each, \$3.50 per dozen, \$25 per 100.

Delivered anywhere in the United States.

Hardy Ornamental Shrubs

Althea.—(Rose of Sharon.) Very handsome, hardy and free blooming in late summer and fall when most other shrubs are out of bloom. The flowers look more like a rose, and come in various shades of white, red, and variegated. Ask for the color you want. **35c** each, 3 for **\$1.00**.

BARBERRY—*Berberis Thunbergii*

Barberry, Thunbergii.—A very pretty dwarf barberry from Japan. Has glossy green foliage changing to a coppery-red in the fall. Valuable as an ornamental hedge or for grouping. Grows more compact than any of the others. **25c** each, **\$2.50** per doz. **\$15.00** per 100.

CALYCANTHUS

(Sweet Scented Shrub.) Flowers, chocolate color, very double and deliciously fragrant; remains in bloom for a long time; very desirable. Price, **35c** each.

DEUTZIAS

A very showy Japanese shrub of dense upright growth, bearing a profusion of showy white or rose-color flowers. Should be planted by everyone, as it is a sure bloomer and blooms freely.

Pride of Rochester.—Grows strong and upright, four to six feet high; flowers very double and full; pure white, tinged with blush. 4 ft. high, **35c** each; **\$1.00** for 3.

Gracilis.—(Slender Branched.) Dwarf growing, densely bushy, its drooping branches wreathed with pure white flowers in May. 18 inches high, **35c** each, **\$1.00** for 3.

FORSYTHIA—GOLDEN BELLS

This is one of the most useful shrubs for the permanent decoration of buildings. It can be easily trained over a wall, fence or tree trunk. The flowers are bell-shaped, of a clear yellow, and there are no green leaves. It is the earliest shrub to bloom. Price, nice strong plants, **35c** each.

PURPLE FRINGE OR SMOKE TREE

Purple Fringe.—A very much admired small tree or shrub with a curious fringe of hair-like flowers that cover the whole surface of the plant in midsummer. 3 to 4 ft., **45c**.

COMMON SNOWBALL

A grand hardy shrub with handsome showy flowers produced in large globular clusters. Is an old-time favorite. Price, large field-grown plants, **40c** each; 3 for **\$1.00**.

JAPANESE SNOWBALL

Erect and compact, 6 to 8 feet high, flowering in June with large white blooms. Price, large field-grown plants, **40c** each; 3 for **\$1.00**.

MOCK ORANGE—*PHILADELPHUS*

Creamy white. Cupped flowers; intensely fragrant. Two-year, **35c** each, by express.

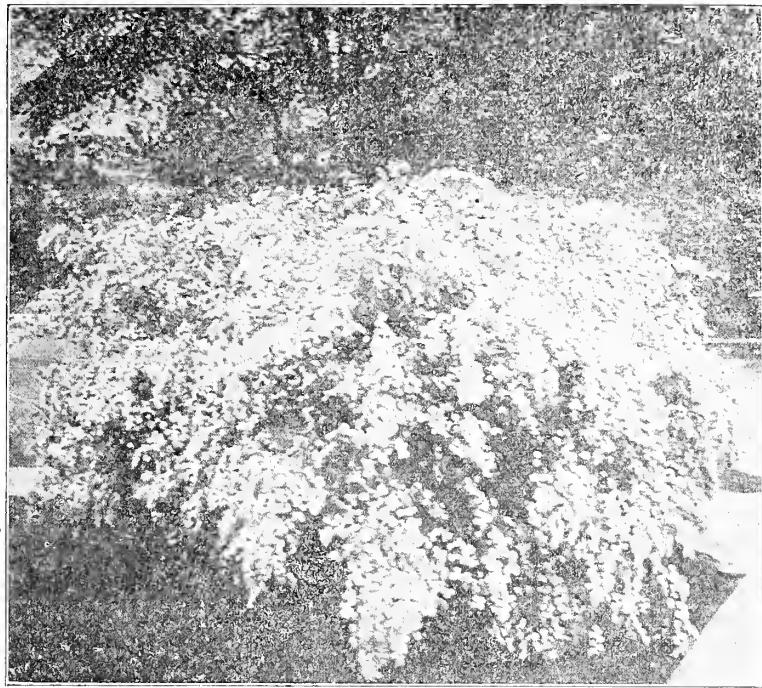
LILACS

Everyone knows and loves the lilac. It is the best of the old-fashioned flowers. Will grow anywhere, and in almost any soil. Blooms freely even when small. We can supply either the white or the purple in both the common lilac and the Persian lilac. The Persian is more slender and willowy in growth, and has finer foliage, and is a great bloomer. Both are perfectly hardy. **50c** each, 3 for **\$1.25**; extra large specimens, **75c.** each.

Hardy shrubs are among the best kind of flowers for planting in the cemetery, as they do not need much attention and are perfectly hardy. See above for a full list.

TAMARIX

Tamarix.—A hardy shrub of strong growth with foliage as light and feathery as asparagus. Very fine for single plants if kept trimmed, but lately has been much used for hedging and is indeed very pretty for that purpose. It will stand lots of pruning and if kept well trimmed through the summer is even finer than the best of evergreen hedges, and from a distance is frequently taken for such. They grow well on almost any soil, and will stand great extremes of cold and dry weather. Price, **35c** each, 3 for **\$1.00**.



Spirea Van Houtii. The best of all Spireas.

SPIREA

Van Houtii.—The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season. When in flower is a complete fountain of white bloom. Just enough green of leaves showing to make it most attractive. A grand and graceful shrub attaining a height of 5 to 6 feet. Perfectly hardy everywhere. Fine for an ornamental hedge. Price, one-year-old plants, **25c** each; 2-year-old, **50c** each; 4 for **\$1.50**.

Anthony Waterer.—(Perpetual-blooming Red Spirea.) A fine, hardy, perpetual-blooming shrub, very desirable for the lawn. Makes nice round bushes 3 feet high and wide; beginning to bloom almost as soon as planted; rose red flowers in large round clusters all over the bush. $1\frac{1}{2}$ to 2 feet, **50c.**

Spirea Billardii.—A hardy, upright shrub. Grows from 4 to 5 feet in height, with brownish branches, leaves oblong and bright green. Flowers produced in dense panicles of rich pink. Very showy for cut flowers. Blooms in July and August and frequently again in the fall, continuing until frost. Price, **35c** each.

BUSH HONEYSUCKLE

A fine showy plant for either a single or for groups of hedges. Bush is always of nice even shape, and the blooms look much the same as the climbing honeysuckle. We can supply it in either white, pink, or red. Price, **35c** each, 3 for **\$1.00**.

WEIGELA

This beautiful shrub grows from 6 to 8 feet tall and blooms in June and July. The flowers are produced in such profusion as to almost hide the foliage. They are fine for border or grouping and also as specimen plants for the lawn. The following three are the best varieties:

Weigela Rosea.—One of the most popular and the tallest growing. Foliage a very dark green, flowers bright rose.

Weigela Candida.—Of vigorous and upright habit. Flowers pure white and produced in great profusion in June and continues to bloom at intervals through the summer.

Weigela Eva Rathke.—A most charming new variety. A strong grower and of graceful drooping habit. Flower a dark beautiful crimson, distinct and very fine. One of the best hybrids. **35c** each, 3 for **\$1.00**; larger size, **50c** each, 3 for **\$1.25**.

Hardy Ornamental Shrubs—Continued

TREE-SHAPED HYDRANGEAS

These are fine specimen plants, four and five years old, trained to tree shape, with about three feet of straight stem and nicely shaped heads. Should bloom profusely the first year. Before shipping they are all trimmed the proper length for planting, so that they will make a better growth and larger flowers. By express or freight, 75c each; 3 for \$2.00.

ORNAMENTAL WEEPING TREES

TEAS' WEEPING MULBERRY. Undoubtedly takes the foremost place among weeping trees. The slender branches sweep downward, forming an umbrella-like shape. It has beautiful foliage, is hardy, enduring the cold of the North and the heat of the South, and it is safe and easy to transplant. Good specimens, 6 to 8 feet high, with 3-year-old heads, \$2.50 each \$7.00 for 3.

CATALPA BUNGEI—Chinese Catalpa. Forms a compact, umbrella-like head at top of an erect trunk, 6 to 8 feet high. Among our hardy shrubs there are but few, if any, that are more effective as foliage plants for park or lawn. See illustration. Price, select 2-year-old heads, \$2.00 each.

CALIFORNIA PRIVET—THE BEST HEDGE PLANT

The best plant in our estimation for hedging, enclosing parks, cemeteries lawns of large or small area, for use as windbreaks, screens, division lines, or massing; or for planting as single specimens on the lawn. The plants will grow more dense if sheared, which can be done to any extent and at all seasons of the year, and they readily withstand severe cold and extreme drought.

California Privet can be planted in a single row; plants 8 to 12 inches apart, but we recommend for a more compact hedge to plant a double row. Plant 8 inches apart, that is, 3 plants to every 2 feet of hedge.

CALIFORNIA PRIVET FOR HEDGES

	Per 100	Per 1000
1-year-old, 18 to 24 inches high.....	\$4.00	\$35.00
2-year-old, 24 to 30 inches high.....	5.00	40.00
2-year-old, 30 to 36 inches high.....	6.00	50.00

These prices are based on fairly large lots, but 25 or over will be supplied at the 100 price. Less amounts are slightly higher price.

We do not prepay the charges at these prices. They are based on the plan going by express at your expense. We pack in good shape without extra charge, and guarantee safe delivery by express.

All plants are field grown, thrifty and healthy, and at least two years old. They are selected for uniform height so they will make a nice even hedge.

BERBERIS THUNBERGII. One of the most beautiful shrubs either for hedging or general purposes. Strong 3-year-old plants, 15 to 18 inches high. \$2.00 per doz.; \$15.00 per 100.

SPIRAEA VAN HOUTTEI

SPIRAEA VAN HOUTTEI. 2 to 3 feet, 25c each; \$2.00 per 10; \$15.00 per 100. 3 to 4 feet, 30c each; \$2.50 per 10; \$20.00 per 100.

THE EVER-BLOOMING BUTTERFLY BUSH

(*Buddleia Variahilis Magnifica*)

This is one of the most valuable and beautiful new plants introduced for years. It was recently discovered in Western China, and thrives in all parts of the United States. It is a hardy perennial, blooming practically all summer and blooms the first summer from small plants, continuing even after frost. Its hardiness, ease of growth, beautiful color, and piquant fragrance, make it popular everywhere. It is fine as a specimen plant, as a hedge, or as a background, but should not be planted in sod or extreme shade. It gets its name from the fact that it is very attractive to butterflies, and they come from everywhere to feast on its nectar.

Special Large Plants. We have a limited amount of 2-year field-grown plants that are very fine and will give immediate results. Price, 35c each, 3 for \$1.00.

Oct. 9th, 1917.

Young & Son,
Kind Sir:

I received my flowers in fine condition, which I thank you so much for same. With best wishes to you all, I remain,

Respectfully,
MRS. A. P. DUETTMANN
DeSoto, Mo.



Catalpa Bungei

CEMETERY PLANTS

There is a great deal of call for flowers and plants suitable for cemetery planting, and many people do not know what to plant, how to plant, or when to plant, so we are gathering together on one page here a number of different kinds of flowers and plants that come under this general class.

PEONIES. Probably the most satisfactory plant for cemetery purposes is the peony. It is absolutely hardy, and once set out, will live for generations. It has no insect enemies or diseases, and it always blooms; besides, it is generally in bloom by Decoration Day, which is the time flowers are most wanted. They can be had in either white, pink or red, and can be planted either fall or spring. Large plants, each 25c, postpaid.

HARDY PHLOX. These flowers are perfectly hardy and will live for years. They can be set either fall or spring, and will grow in any soil. They grow from 1 to 2 feet high, and bloom from July till frost. They can be had in either red, pink or white, with various shades between. \$1.50 per doz., either all alike or assorted.

ROSES. These are always a favorite with every one for cemetery use. The only drawback is that they sometimes winter-kill in severe winter. Here are some varieties especially suitable:—

WHITE MEMORIAL ROSE. This is the creeping rose that makes a mass of glossy green leaves and an abundance of pure white flowers late in June. Does not grow up into a bush, but stays close to the ground. Strong plants. Price, 25c each.

CLOTHILDE SOUPERT. (White.) Best of all hardy white roses. Very free bloomer, 25c each.

BABY TAUSENSDCHOEN. Ever-blooming bush rose that gives an abundance of medium-sized white flowers in large clusters throughout the summer. Partially hardy, but should have a little protection. Strong plants. 25c each.

OTHER ROSES. We can furnish any variety of roses you may want, but we do not have room to list them all here. See Rose pages in this book.

GRASS SEED

You can easily get a fine sod of grass started by sowing seed almost any time during the season, if there is moisture enough for the seed to grow. Work the ground up fine and mellow and sow a good mixture like our lawn grass seed at the rate of one pound for every 200 square feet. Thicker seeding would do no harm. We furnish a special mixture—just what you want. 35c quart.

HEDGE PLANTS

For making a low hedge that will stay green and look nice all summer, there is nothing nicer than the California Privet. We can furnish good thrifty field-grown plants at \$6.00 per 100.

GRAPES

This is one of the best and healthiest fruits we have. Everybody should have a few grape vines in the home garden. There is scarcely a yard so small either in the country or city that room for from one to a dozen or more grape vines cannot be found. By selecting a few vines of early, medium and late ripening varieties, one may have grapes for the table for several months in the year. They can be planted along side the house or trained over fences, trellises or doorways and made ornamental as well as useful. They do well on any soil, except low, wet ground. To succeed best they should have a free exposure to sun and air. Have your ground mellow and plant about two inches deeper than they stood in the nursery. If planting along side fences, plant 6 ft. apart. If in open ground, in rows 5 ft. apart, and 6 feet in rows. Cut back well when planted out. Leave not more than three buds on vine the first year and then prune severely every year, cutting out the oldest wood and leaving strong new vines. We believe in the list we are offering is included all the best varieties grown in this country.

Probably the best known variety and the most extensively planted everywhere, is the **Concord**. It is a hardy vigorous grower, very productive, bunches large, berries juicy and sweet, not the earliest, but ripens over a longer period than most varieties.

Worden in growth is much like Concord. Fruit about the same in size and of excellent flavor.

Among the white varieties **Moore's Diamond** and **Niagara** are about equal in growth of vine and hardiness and also in size of bunches and berries. **Moore's Diamond** is greenish white in color, juicy and tender. **Niagara** yellowish white skin thin but tough, a good shipper and market berry.

Of the red varieties **Agawan** and **Salem** are the largest berries and heaviest bunches. **Agawan** is an extra strong grower, fruit very dark red when fully ripe. Skin thick, pulp juicy and of a peculiar spicy flavor. A great bearer and splendid keeper, ripens ten days to two weeks later than Concord. **Salem** ripens late in September, coppery red in color, thin skin, sweet and tender, a good variety for both table and wine as well as being a good shipper.

Prepaid price list of Grapes. At these prices all grape vines will be delivered free by parcel post or prepaid express.

Strong, selected two-year-old vines, **20c** each, 3 for **50c**, \$**2.00** per dozen. **Special price on Concords:** **15c** each, 4 for **50c**, **\$1.50** per dozen.

Agawan.—Large, red; one of the very best.

Concord.—Considered to be the best all-round grape grown; productive; bunches large, compact, berries large, juicy and sweet.

Moore's Diamond.—White, changing to yellow tinge when ripe.

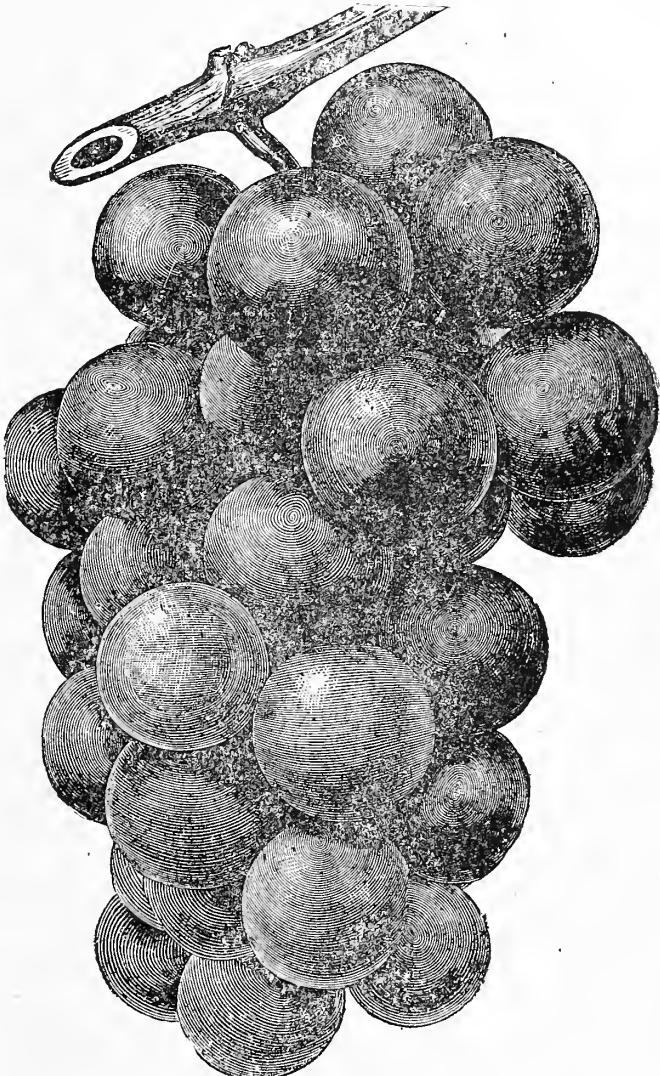
Niagara.—Greenish white, semi-transparent, slight ambered in the sun.

Worden.—Black, handsome; compact bunch; earlier than the Concord.

Martha. Bunches and berries of medium size; greenish white, with a thin bloom; flesh tender, with very little pulp.

Pocklington. Bunch and berries large; when fully ripe a light, golden yellow; juicy, tender, sweet.

Salem (Rogers' No., 531.) Red; bunch and berry very large; healthy, hardy and vigorous, early; good keeper.



The World's Best Grape—"Concord."

AMERICAN GOOSEBERRIES

Gooseberries should be planted in good fertile soil that is well drained. Plant in rows four feet apart and two feet apart in the row and keep well mulched with old hay or straw. Don't be sparing, put it on thick, four or five inches deep. This will retain moisture during the driest weather and keep down weeds. What few weeds do come through can be easily pulled up. If not convenient to mulch, the next best thing is good cultivation. Go over them and stir the ground well. The American varieties are not subject to mildew, but to prevent it spray the bushes as soon as the leaves appear in the spring and several times during the summer with Insecto.

Every family can have a bountiful supply. In the varieties we list, probably the best known are the **Houghton** and **Downing**. They are both old varieties that have been tested for years, and you can not make a mistake in planting either one of them. **Houghton** is the strongest grower, a good annual bearer and fruit of fair size. **Downing** is large, handsome, pale green and of splendid quality for both cooking and table use; bush a vigorous grower, and usually free from mildew. Price of gooseberries **20c** each, 3 for **50c**, \$**2.00** per doz.

Delivered postpaid or by prepaid express.

We have had printed an instructive booklet of 25 pages giving information on How to Plant Fruit Trees and Small Fruits—also tells you the proper way to prune and spray trees and cultivate small fruits. How to plant a Privet Hedge—in short it gives you just the information you need to grow fruits and other trees successfully. We mail this free to customers who ask for it and to all others on receipt of **10c**.



Currant—White Grape

CURRANTS

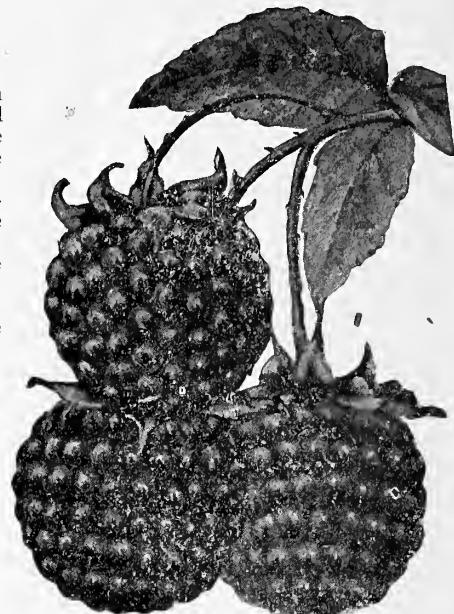
Currants require about the same soil and cultivation as gooseberries to succeed well. Tops should be well cut back in planting out, leaving only two or three sprouts to grow the first season. They should be pruned some every year, cutting out the old and darkest looking wood; keep the center of bush open somewhat. Currant worms can be destroyed by White Hellebore, one ounce to three gallons of water and applied with sprinkler or sprayer. Plant about the same distance apart as gooseberries.

Black Victoria is the only black currant we handle and about the only variety planted to any extent in this country. We consider it the best of the blacks, but no black currant is fit to eat in our opinion.

In red currants we list three and you cannot go wrong on any of them. **Cherry** is large, very deep red, rather acid but fine for jelly. **Fay's Prolific** is not so red in color, but bunches very large and very productive. **Perfection** is the strongest grower of all the red varieties and berries large and heavy clustered.

White Grape is the best of all white varieties. Bush strong and a vigorous grower. Clusters long and handsome, excellent quality and a fine table currant.

Prepaid prices of Currants,
20c each, 3 for 50c, \$2.00 per
doz.



Red Raspberry—St. Regis

BLACKBERRIES

Blackberries are a fruit that everyone likes and can have with just a little effort and time. They require the same treatment as raspberries. Nip back new canes in growing season to three feet, causing them to throw out laterals. They do well on almost any soil and bear good crops of fruit. We list four of the very best varieties covering the season of ripening. **Early Harvest** is the earliest, a very compact, dwarfish grower, and can be planted closer than other varieties. Fruit rather small and very sweet. Not recommended for extreme north. **Erie** is another early blackberry, hardier than Early Harvest and much larger fruit. Very black and firm, is a splendid bearer and stands shipping well. **Eldorado** is also a good shipping berry. Very hardy everywhere; fruit large and borne in clusters, quality unsurpassed. **Snyder**, the best known and a favorite everywhere, extra heavy canes often growing 7 to 8 feet if allowed to run up. Very productive, berries of medium size and very sweet, season of ripening longer than any other variety. Probably the hardiest of any.

Price on Blackberries, 10c each, \$1.00 per doz. prepaid; \$4.00 per hundred by express, not prepaid.

WHY NOT HAVE AN ASPARAGUS BED?

Most of you have an idea that there is some great mystery about the growing of asparagus, and that you have no chance of success with it. Nothing to it. It really grows like a weed. Just give it good, rich soil, the richer the better, plenty of room and decent cultivation, and you can't help but succeed. It's mighty good eating in the spring of the year, too. Nothing better.

The best way to get a start is from the plants. Best size is strong 1-year. Some people though prefer 2-year. Take your choice. We have both. 50 per cent extra for 2-year.

Set the plants early. It's all bosh, this talk about trenching and all that. Just get the roots in the ground right side up and covered about three or four inches deep. That's all. Keep them all well hoed all the first summer. Then in the fall mulch heavily and keep mulched heavy enough to keep the weeds down all the time from that on. Put plants 10 inches apart in the rows. Rows any convenient width apart. No crop the first year, but fair crop the next year and plenty from then on for 20 years to come. Cut every day or every other day from early spring till peas come.

Field culture 12,000 plants per acre. Home garden, with rows 2 feet apart, 100 plants for bed 10 feet by 20 feet.

Postpaid Price List of Asparagus Plants

These prices include delivery prepaid by either parcel post or express.

	Strong 1-Year-Old Plants	2-Year-Old Plants
	Per doz.	100 Per doz.
Conover's Colossal	\$.25	\$.40 \$ 1.50 \$.35 \$.60 \$ 2.00
Palmetto.....	.25	.40 1.50 .35 .60 2.00
Barr's Mammoth.....	.25	.40 1.50 .35 .60 2.00
Columbian Mammoth.....	.25	.40 1.50 .35 .60 2.00

Write for Special Prices on Large Lots.

THE EVER-BEARING STRAWBERRIES HAVE MADE GOOD

There can be no possible doubt any longer about the Ever-bearing Strawberries. They have made good, and then some. If you have been putting off planting them waiting for them to show whether they are a good thing or a fake, you don't need to wait any longer. They have proved the last four seasons that they will bear all summer every summer, from earlier than the others till the ground freezes in the fall. Ripe berries, green berries and blossoms all the time. And the best berries you ever tasted, big and red, and sweet and juicy. Real strawberries.

You can have strawberries all summer now. The new ever-bearing variety are just as easy to grow as the common strawberries, yield the same way in June, and then keep on bearing all summer. They are the only strawberries that will give you fruit the first season. They need no special care. Progressive is the best variety of them.

Special Notice.—The plants we offer are all pot-grown. (See illustration.) With these you begin getting fruit within six weeks after they are set while with layer plants you wait a full year for fruit, besides you can be sure of every one to grow which cannot be said of "Layer Plants." Pot-grown plants cannot be sent by mail, they will have to go by express.



Sample of our Pot-Grown Strawberry Plants

VARIETIES

Progressive.—We prefer the variety known as "Progressive." It originated in Iowa, and is a cross between one of the French ever-bearing sorts and Senator Dunlap, the best of all the regular American varieties. The Progressive has all the good points of the American parent and the one point of the French parent, continuous bearing. It has come to stay, and the sooner you get started with it the better. Get started this spring by all means.

Superb.—The only other ever-bearer we would grow (in addition to Progressive) would be the Superb. For a shipping market it is the better berry, as it stands shipping better. The Progressive is too tender to ship well. Superb yields as well, about the same size, and will ship well or stand up over night in the boxes. Price same as Progressive.

Prices on Progressive and Superb, pot-grown plants, \$1.00 per dozen; 25 for \$1.75, \$6.00 per hundred, by express, not prepaid.

YOUNG'S POT-GROWN STRAWBERRY PLANTS

Set them out at once and they will produce a full crop of Berries this season.

All the varieties listed herewith are "perfect" sorts and require no other kinds planted to make them produce fruit.

Aroma.—Immense, bright red berries of splendid substance; good bearer. A variety that is in high favor with growers in the middle west.

Bridgeton Beauty.—Originated in Missouri, and well adapted to this and surrounding states. Large-berried and very free-fruited; extremely early.

Gandy.—A reliable late variety. Berries are bright crimson and very delicious. Try this one for your home use.

Wm. Belt.—For table or market use this variety is exceptionally good. A mid-season giant berry of good crimson, firm, extra good flavor, and a fruit that attracts the buyer who is looking for something above the average. 75c per doz., \$1.25 for 25, \$3.50 per 100, by express, not prepaid.

RHUBARB OR PIEPLANT

We have the best variety of Rhubarb that we have ever seen. It is the strain that is sometimes sold for wine plant. The stalks are very large, quite red in color, very tender and mild in flavor. It is early, hardy and just right in every way. We have no special name for it, but it is somewhat similar to the variety sometimes sold by nurserymen as Victoria, but in our opinion better. It was brought to this country by some of the early settlers and is well known in this neighborhood. Price of Rhubarb roots, 15c each, 2 for 25c, \$1.25 per doz.

APRICOTS

Apricots are best adapted for planting in city gardens, or where trees are protected by surrounding buildings. They are among the most delicious of fruits, and therefore, a little extra care should be given in protecting the flowers from the late spring frosts.

Royal.—Large, yellow, with an orange cheek, rich and delicious. A very fine variety. August. Price, 50c each.

PEARS

The cultivation of this fruit is rapidly extending, as its value is appreciated, and the demand is increasing every year, making it a most profitable tree to plant. The melting, juicy texture, flavor, and delicate aroma of the pear give it rank above all other fruits with the possible exception of the grape. Gathering the fruit at the proper time is one important point to remember in connection with the successful growing of this fruit. Summer pears should be gathered at least a week before they are fully ripe, and autumn varieties ten days or two weeks. Most varieties are heavy bearers, and when trees are too heavily loaded, the fruit should be thinned when about one-third grown, else it will be poor and the tree injured.

Bartlett is one of the most popular of pears. Large, buttery, melting, with rich flavor. Juicy and richest of quality. Tree a vigorous, upright grower, hardy, and a great bearer. Season, August and September.

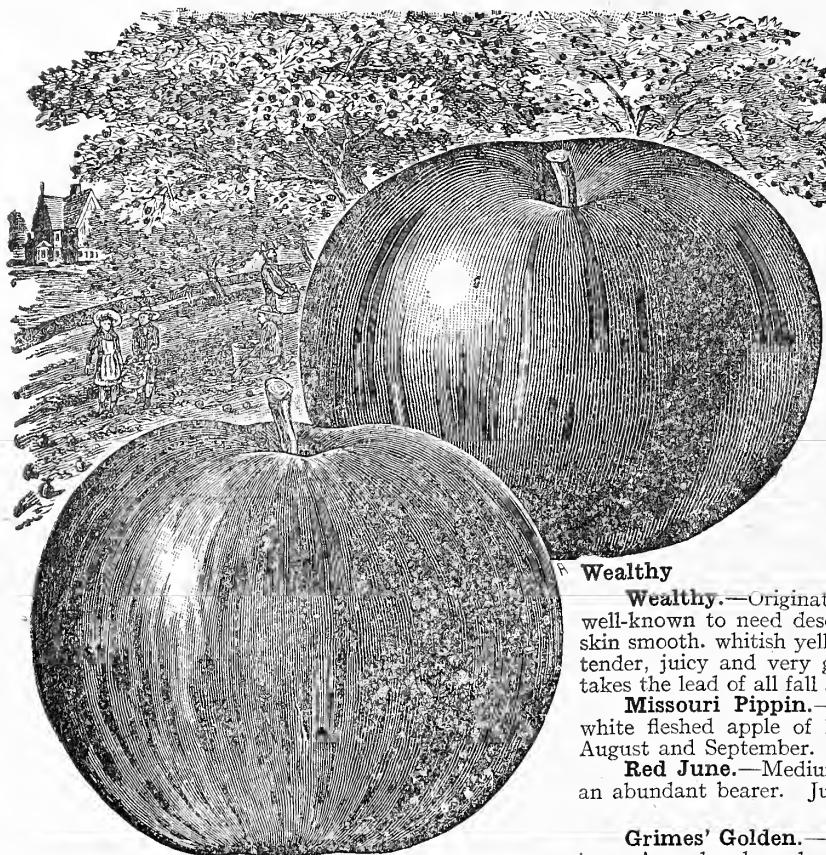
Keiffer.—(Or Keiffer Hybrid.) This is a seedling of the Chinese Sand Pear crossed with the Bartlett and probably the most popular pear grown. Color yellow with red cheeks where exposed to sun. Flesh white, juicy and rich. Tree a very strong, upright grower, a late keeper and valuable market variety. Season late, October and November.

Seckle (Or Sugar Pear.) Widely known and the standard of excellence in pears. Tree very erect, but rather slow-grower. Very hardy and abundant bearer. Fruit small, rich, yellowish brown, very sweet, and highest flavored pear known. Season September.

Dwarf Duchess.—Dwarf Pear are budded on Quince stock and do not grow very large and can be planted much closer together than standards, which makes them suitable for garden or town lots or any place where you have but little room. They should be planted deep enough to cover the union of the pear and quince three or four inches, and about one-half of the previous summer's growth cut off each spring. They should not be trimmed up more than a foot above the ground. The variety most grown as a dwarf is the **Duchess de Angouleme** or, as it is called, **Dwarf Duchess**. It is the largest of our good pears and succeeds best grown as a dwarf. A good keeper.

Prices of Pear Trees 4 to 5 feet, 60c each, 12 for \$6.00.

We make no charge for packing, you pay the freight or express charges.



Apple, Ben Davis

Wine Sap.—A valuable old and well-known variety. Tree a moderately vigorous grower, open irregular tops. Fruit medium size, skin thick and very tough. Color dark red. Flesh yellow, fine grained, rich and crisp. Quality excellent, an early and heavy bearer and a splendid keeper.

CHERRY

The Cherry is one of the finest and most delicate dessert fruits. They are being planted more and more each year and there is always a brisk demand on the market for the fruit. Although a very perishable fruit, the period of its use may be prolonged to five or six weeks by a proper selection of fruits. Aside from their fruit value, they are very ornamental for yard or lawn.

VARIETIES

Early Richmond.—This is an old reliable and very productive variety. One of the most popular sorts and unsurpassed for cooking. Medium size, bright red, and very juicy. Very hardy, will stand the most severe weather. Ripens in June.

Large Montmorency.—Large and finer and ripens about ten days later than Early Richmond. One of the finest flavored cherries of its class. Thin skin and very meaty. Valuable for canning and preserves, and a splendid market sort. Fruit large and round, very slightly heartshaped, dark red, becoming nearly black when fully ripe.

English Morello. A large variety.—Tree somewhat dwarfish and slow grower, but very hardy and productive. Fruit large, very dark red, almost black, juicy, sourer than either Early Richmond or Montmorency. An enormous yielder. Valuable variety for market. Season July and August.

Dyehouse.—Very similar to early Richmond. In some localities ripens a little earlier and largely planted for early market. Not so good an all around cherry as Early Richmond.

Gov. Wood.—A big sweet cherry. One of the Heart or Bigarreau family, sometimes called Oxhearts. A rich and delicious, large, light cherry. Flesh firm, sweet, and juicy. Tree a strong and very upright grower and fairly productive.

Prices of Cherry, all varieties, well branched trees, 50c each, \$5 per doz.

SELECT QUINCES

Prices of Quince Trees, 50c each, 3 for \$1.25.

Apple or Orange.—Large, roundish, with a short neck; of a bright golden-yellow color. Tree has rather slender shoots and oval leaves; very productive. This is the variety most extensively cultivated for the fruit. Ripe in October.

Apples

SELECTED VARIETIES

The Apple is the first fruit, both in importance and general culture. Its usefulness, unlike that of other fruits, extends nearly through the year. Our collection comprises about all the best and most popular kinds, and with a judicious selection, a constant succession of this indispensable fruit can be easily obtained for family use.

EARLY APPLES

Early Harvest.—Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen.

FALL APPLES

Maiden's Blush.—Rather large, smooth, with a fine evenly shaded red cheek or blush, on a clear, pale yellow ground; flesh white, tender, sprightly with a pleasant, sub-acid flavor; bears large crops. Valuable market sort.

Wealthy.—Originated in Minnesota about 1861 and is almost too well-known to need description. Fruit large, rather flattened in shape, skin smooth, whitish yellow, shaded with deep red in sun. Flesh white, tender, juicy and very good. This variety is par excellence and easily takes the lead of all fall apples. Should be in every orchard.

Missouri Pippin.—Medium to large, a handsome deep crimson, white fleshed apple of high flavor and best quality; very productive. August and September. Tree is a strong, upright grower.

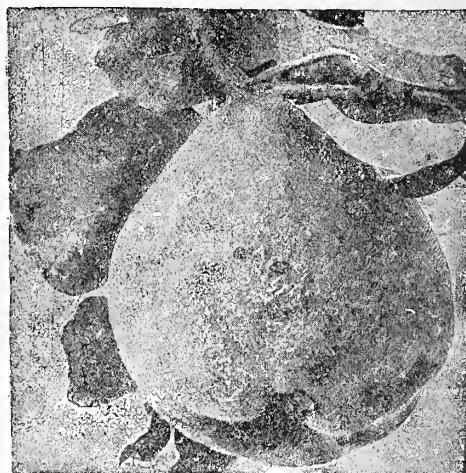
Red June.—Medium size, red; flesh white, tender, juicy, sub-acid, an abundant bearer. July. Tree an upright grower.

WINTER APPLES

Grimes' Golden.—An old standard. Tree vigorous, upright, spreading. A good early and annual bearer. Surface rich golden yellow. Flesh yellow, crisp with spicy sub-acid flavor. An early winter apple and particularly desirable on account of its late blooming.

Ben Davis.—Large, roundish, oblong, red striped, very handsome. Mild, sub-acid, not rich. Tree very vigorous, hardy and productive. This is one of the safest and most profitable market apples grown in this country at present.

Prices of Apple Trees—All Varieties: Select Trees, 35c each, \$1.00 for 3, 25 for \$6.00.



Seckel Pear

FRUIT TREE DEPARTMENT—Continued

CHOICE PLUM TREES

The ability of the Plum to adapt itself to various conditions of soil and climate makes it one of our most valuable fruits. When properly grown and well ripened on the tree the Plum is one of the most delicious fruits.

Damson (Common Blue)—A valuable market sort. It bears enormous crops. Thousands of bushels are annually sold in our markets. It is the best plum for preserving. August and September.

German (Prune)—A large, oval variety; much esteemed for drying; color dark purple; a very agreeable flavor.

Red June.—Recommended as “by all odds the best Japanese plum, ripening before Abundance.” One of the vigorous, upright growers; productive; fair size, vermillion red.

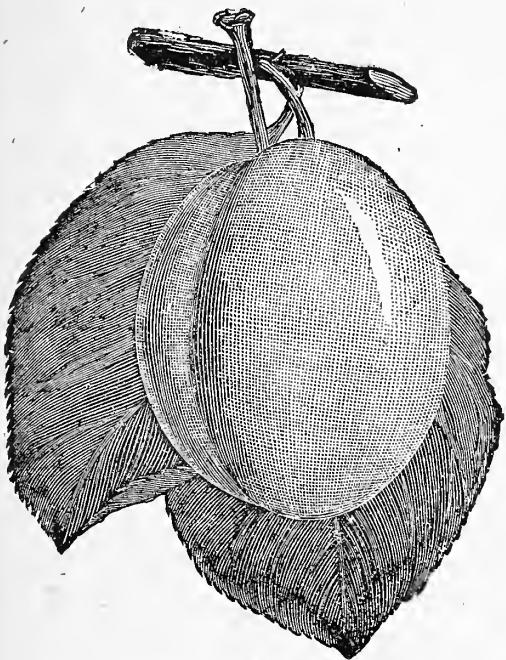
Wild Goose.—Well-known, large, deep red when ripe. Good quality; one of the best native plums; should be in every orchard.

Newman—Fruit medium, oblong; color bright vermillion. Adheres to the stone. Tree vigorous, foliage smaller than the Wild Goose. In fertility it is truly astonishing; its fruit ripens about August 15th and lasts until September 15th.

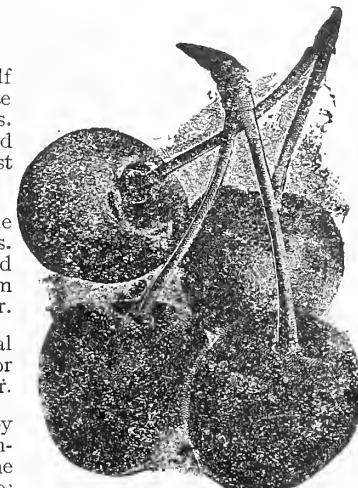
Lombard—Medium, round, oval, violet-red, juicy, pleasant and good; adheres to the stone. Tree vigorous and productive. A valuable market variety; one of the most hardy and popular.

Price of Plum Trees, 50c each, 3 for \$1.25, \$5.00 per doz.

Cherry—Montmorency Ordinaire



Plum—Wild Goose



CRAB APPLES

Hyslop.—Dark crimson, with bloom; very showy. Popular on account of its hardness.

Whitney's No. 20.—Very large; green, striped and splashed with light red. Has a delightful flavor and is extremely juicy.

Price of Crab Apples, 40c each, 3 for \$1.00.

Ten Select Varieties of Peaches

All of our Peach Trees are propagated from buds taken from the best bearing trees. We, therefore, know our trees to be true to name, perfectly healthy, free from disease and first-class in every respect. We do not grow cheap and inferior Peach Trees.

Peach trees should be planted 16 to 18 feet apart. To secure healthy, vigorous and fruitful trees and fine fruit, the following points should be well attended to: (1) Keep the ground clean and mellow. (2) Keep the heads low; the trunk should not exceed three and one-half feet in height. (3) Give them an occasional dressing of wood ashes; soapsuds are also good. (4) Prune every spring, shortening the shoots of the previous year's growth. This keeps the head round, full and well furnished with bearing wood. Cut weak shoots back about one-half and strong ones about one-third, but see that there is left a sufficient supply of fruit buds. Sickly and superfluous shoots should be cut out clean. The fruit is borne on wood of last season's growth, hence the necessity of keeping up a good supply of vigorous annual shoots all over the tree. Young trees should be well mulched every spring.

ELBERTA.—The best known and most popular of all peaches and the standard market sort. Large yellow with beautiful blush; not of highest quality, but tender and good. Rank vigorous grower.

CRAWFORD'S EARLY. A magnificent American sort; very large. Yellow, with red cheek; productive and extremely popular for market. Middle of August.

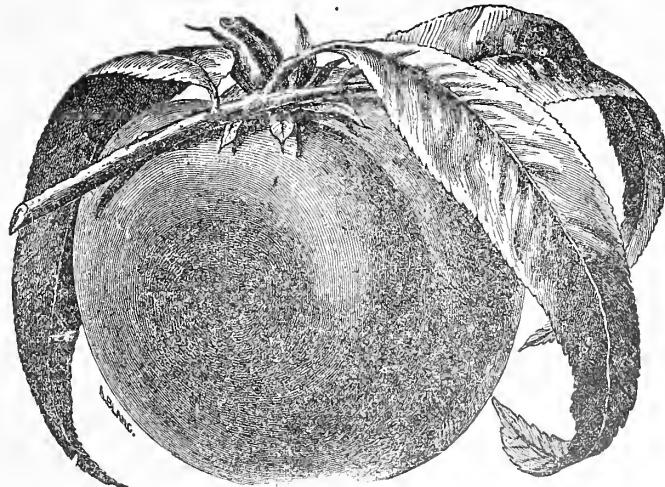
CHAMPION. Very large; handsome, creamy white with red cheek; sweet, rich, juicy; freestone. Hardy and productive. Middle of July.

GREENSBORO.—The largest and most beautifully colored of the extra early peaches. A freestone; flesh white, juicy and excellent.

LATE CRAWFORD.—Ripens from 14 to 20 days later than the Crawford Early, and is larger in size; color about the same, only a little darker red and yellow. One of the best and finest yellow free-stone peaches; moderately productive. Ripens here in August.

HEATH CLING.—One of the finest canning peaches; good size; lemon shape; tree a good grower and an excellent bearer.

STUMP.—Very large, roundish; skin white, with bright red cheek; flesh white, juicy. One of the best late free-stones.



Peach—Crawford's Early

TRIUMPH.—Early yellow flesh peach; ripens with Alexander, blooms late; sure and abundant bearer; strong, vigorous grower. Fruit good size, yellow, with red and crimson cheek.

CARPENTER CLING. Fruit of the largest size, heart-shaped, skin yellow and amber, with bright red blush. Flesh very firm and juicy, with a delicious flavor.

CARMAN. Large, resembles the Elberta in shape; color, creamy white or pale yellow with deep blush; skin very tough, flesh tender, fine flavor and quite juicy.

GOLD DUST. Very large; yellow, with a red cheek; flesh yellow, buttery, rich, sweet, and of the highest flavor. Maturity from end of August to middle of September.

Price of Peach Trees, any of the above varieties: 35c each; 3 for \$1.00; 12 for \$3.50; per 100 \$25.00.

These are the Sprayers that Get Results

BUY THE "KANT-KLOG" SPRAYER. **COSTS MORE.** **WORTH MORE.**



KANT-KLOG
SPRAYER

Its Big Features Described and Explained

- The Nozzle .** { The only nozzle that can be cleaned without stopping the spray; a round or flat spray at your command; solid brass. A pressure of the thumb starts the spray. Remove it, and the spray stops instantly.
- The Tank .** { The tank is made of heavy galvanized steel, top and bottom dome-shaped and joined to the body under heavy pressure, making complete double seam. The brass model tank is of solid brass.
- The Air Pump .** { Made of heavy brass; a few strokes give you a powerful and elastic force, which will give you the best continuous spray. Diameter 2 inches, easily worked; hose couplings of solid brass, ends heavily ribbed to prevent coming off.

This Pump is the simplest Pump on the market and the best. It holds four to five gallons of solution, and can easily be carried on the shoulder by strap or wheeled in a cart. Suitable for using all liquid solutions, whitewash, etc.

These Sprayers are shipped on approval to responsible persons, and if not all we claim for it, send it back at our expense and get your money.

Galvanized Steel, \$6.50; Solid Polished Brass, \$8.00.

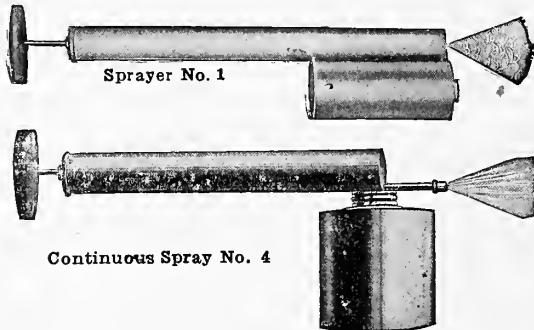


Junior Spray
Pump No. 5

Two Excellent Low-priced Sprayers

No. 1—A well-jointed tin pump barrel, $1\frac{1}{2}$ inches in diameter. The liquid tanks are of tin and have a capacity of one quart, **50c.**

No. 4—This New Atomizer differs from the old styles in that the spray is continuous. The old styles spray only when plunger is pushed in. The new style continues to spray while plunger is being pulled back. Capacity one quart: barrel $1\frac{3}{4}$ inches in diameter, **85c.**



The "Junior" Spray Pump, No. 5

Requires no fastening of any sort. An all-brass Pump. All that is necessary to do is to push the plunger down, the machine does the rest. New spring device. All brass valves, doing away with leather or rubber packing. Weight about four pounds. A mighty handy Pump and is ready for use anywhere at almost any time. **\$4.50.**

INSECTICIDES AND GERMICIDES

Dry Lime-Sulfur.—It is not a substitute for Lime Sulphur Solution, but it is the actual material in dry powdered form. In the process of manufacturing Dry Lime-Sulfur, we must first make up the liquid Lime Sulphur Solution, meeting Government requirements, then by special process the water is evaporated, leaving the Dry Lime-Sulfur in concentrated form, requiring only the addition of water to produce a spray possessing all of the well-known virtues of the Lime Sulphur Solution. It is safe, therefore, for us to claim that our material is not a substitute for Lime Sulphur Solution, but an actual Lime Sulphur in dry powdered form which possesses all the advantages of Lime Sulphur Solution with none of its disadvantages. It is exceptionally effective in eradicating San Jose and other scale insects. Price lb. **25c**, 5 lbs. **\$1.00**.

Arsenate of Lead.—Dry Powdered Arsenate of Lead is, without question, the most economical and effective on the market today. It is exceedingly finely divided, very fluffy and has greater bulk per given weight than any other powdered Arsenate of Lead manufactured. For this reason it goes into suspension in the spray tank much more readily than paste Arsenate of Lead or any other form of Dry Powdered Arsenate of Lead. This can be successfully used to suppress leaf-eating insects. Price $\frac{1}{2}$ -lb. cans **40c**, 1-lb. **75c**.

SULPHO-TOBACCO SOAP. A wonderful insect pest exterminator. Unsurpassed for quickly exterminating all insect life on plants and flowers in and out of doors. Excellent for rose bushes, shrubs, plants, etc. Use one ounce of soap to one-half gallon of water, and spray on plants. 3-oz. cake, **10c**; postpaid, **13c**; 8-oz. cake **20c**, postpaid, **28c**.

HELLEBORE POWDER, WHITE. We furnish a pure, fresh, very effective powder. One of the best insecticides for rose slugs, currant worms, green fly, and other insects. $\frac{1}{2}$ -lb. pkg., **40c**; lb. pkg., **75c**.

NIKOTEEN. All private gardeners recommend this liquid for spraying or vaporizing. Will destroy all insects which infest plants or flowers. It is composed of that element in tobacco which gives it its value as an insecticide and nothing else. Small bottle **25c**, $\frac{1}{2}$ -pint **75c**.

S. W. Insecto.—Insecto is a new development in the insecticidal field. It is a combination of Arsenate of Lead and Bordeaux Mixture in dry powdered form.

Arsenate of Lead is known to all growers of fruits and vegetables as the one and only insecticide that will successfully combat leaf-eating insects, with the least danger of "burning."

Bordeaux Mixture, when combined with Arsenate of Lead, is a blight-preventive and controller of fungus diseases.

In Insecto we offer to the grower, a combination of both Arsenate of Lead and Bordeaux Mixture. It is in dry powdered form, and therefore produces a perfectly fresh mixture when prepared for use by the grower. Price lb. **50c**, 5 lbs. **\$2.25**.

Tuber-Tonic.—This is a three-in-one spray combining the quick-killing properties of Paris Green, the fungus preventative properties of Bordeaux Mixture and the adhesiveness of Arsenate of Lead. It is a very finely divided powder, which is unaffected by heat or cold and therefore reaches the consumer in perfect condition. It stays in suspension well and sticks to the leaf almost indefinitely.

Tuber-Tonic is sufficiently strong to kill leaf-eating insects on potatoes, yet prepared in such a manner to make it safe to use on foliage without injury. Price lb. **75c**, 5 lbs. **\$3.00**.

FLOWERS OF SULPHUR. Prevents and cures mildew on roses, grape vines, etc. Apply with gun or bellows. Lb. **10c**; 5 lbs. **40c**; 10 lbs. **70c**.

TOBACCO DUST. A remedy for green fly. **10c** per lb., **12 lbs. \$1.00**, 50 lbs. or over **5c** per lb.

HAMMOND'S GRAPE DUST. Kills mildew on chrysanthemums, roses, violets, grapes, gooseberries, etc. It also kills the green and black fly. $\frac{1}{2}$ -lb. pkg. **70c**.

HAMMOND'S SLUG-SHOT. A light, composite, fine powder, easily distributed by duster, bellows, or in water by spraying. Thoroughly reliable for killing currant worms, potato bugs, cabbage worms, lice, slugs, etc. $\frac{1}{2}$ -lb. Carton with perforated top, **20c**; 5 lbs. **50c**.

ORDER SHEET FOR SEEDS

C. YOUNG & SONS COMPANY

1406 Olive Street, ST. LOUIS, MO.

C. YOUNG & SONS CO. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs or Plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

Your Name	Date	Our Order No.
Write in ink very plainly		
Post Office	1918	
County	AMOUNT ENCLOSED	Please do not write here
State	Money Order . \$	
Street, P. O. Box or Rural Delivery	Draft or Check \$	
Express Office	Postage Stamps \$	
If different from Post Office	Cash . . . \$	

Please forward goods by { Mail, Freight
or Express }

Date you wish your order shipped

ORDER SHEET FOR PLANTS

C. YOUNG & SONS COMPANY

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Your Name _____ Write in ink very plainly	Date _____ 1918	Our Order No. _____
Post Office _____	Please do not write here	
County _____ State _____	AMOUNT ENCLOSED	
Street, P. O. Box or Rural Delivery _____	Money Order . \$ _____	Draft or Check \$ _____
Express Office _____ If different from Post Office	Postage Stamps \$ _____	Cash . . . \$ _____

Please forward goods by Mail, Freight or Express **Date you wish your order shipped**

SPECIAL NOTICE.—We do not ask for a long list of names, but should you know of any person who you think would like to have this book sent to them free, if you will kindly give us their name and address, we will see to it that something choice will be included in your order **GRATIS** for your trouble.

CATALOG OF YOUNG'S SEED STORE, ST. LOUIS, MO.

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Mulberry		56					
Mock Orange		55					
Purple Fringe		55					
Smoke Tree		55					
Snowball		55					
Spiraea		55-56					
Tamarix		55					
Weigelia		55					

HOOVER SAYS FEED THE WORLD

Eat What You Can—What you can't Eat: Can.

DON'T BUY OLD SEEDS, BUY "YOUNG'S"

and

YOUR GARDEN WILL BE A SUCCESS

COLLECTIONS

SPECIAL COLLECTIONS FOR THE GARDEN

These Collections will be found ideal for the Garden. The varieties and quality of the Seeds contained in these Collections are of the very highest, and as all packages contained in these Collections are our regular size packages, we cannot change any Collection as we are offering them at a greatly reduced price.

ORDER BY NUMBER

COLLECTION No. 1

2 Pkts. Lettuce	2 Pkts. Radishes
1 Pkt. Carrots	1 Pkt. Turnips
1 Pkt. Beets	1 Pkt. Parnsips
1 Pkt. Bush Beans	1 Pkt. Dwarf Peas
1 Pkt. Parsley	1 Pkt. Swiss Chard

12 Packages for 50c, postpaid.

COLLECTION No. 3

Rapid Growing Climbing Vines

1 Pkt. Cypress
1 Pkt. Balloon Vines
1 Pkt. Moon Vines
1 Pkt. Hyacinth Bean
1 Pkt. Morning Glory
1 Pkt. Mixed Gourds
1 Pkt. Wild Cucumber

7 Varieties for 25c, postpaid.

COLLECTION No. 2

1 Pkt. Beets, Early Blood Turnip
1 Pkt. Beans, Early Red Valentine
1 Pkt. Beans, Golden Wax
1 Pkt. Beans, Pole, Kentucky Wonder
1 Pkt. Beans, Bush Lima
1 Pkt. Cucumber, Long Green
1 Pkt. Sweet Corn, Early White Cory
1 Pkt. Sweet Corn, Stowell's Evergreen
1 Pkt. Carrots, Early Short-Horn
1 Pkt. Endive, White Curled
1 Pkt. Kale, Dwarf
1 Pkt. Peas, Little Gem Dwarf
1 Pkt. Peas, Improved Strategem Tall
2 Pkt. Lettuce
2 Pkt. Radishes
1 Pkt. Turnips, Purple Top
1 Pkt. Swiss Chard

19 Packages for \$1.00, postpaid.

COLLECTION No. 4

Ideal Collection of Flower Seeds

1 Pkt. Alyssum Sweet
1 Pkt. Asters, Mixed
1 Pkt. Cosmos
1 Pkt. Calliopsis
1 Pkt. Dianthus
1 Pkt. Mignonette
1 Pkt. Nasturtiums
1 Pkt. Petunias
1 Pkt. Portulacca
1 Pkt. Zinnia

10 Varieties for 25c, postpaid.

SPECIAL:—We offer the above FOUR Collections for \$1.80, postpaid.